

SEL PCT 012.ST25
SEQUENCE LISTING

<110> Selexis S.A.

<120> HIGH EFFICIENCY GENE TRANSFER AND EXPRESSION IN MAMMALIAN
CELLS BY A MULTIPLE TRANSFECTION PROCEDURE OF MAR SEQUENCES

<130> SEL PCT 012

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<160> 241

<170> PatentIn version 3.1

<210> 1

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

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<222> (1)..(320)

<223> MAR of human chromosome 1, nt from 36686 to 37008

<220>

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<222> (1)..(320)

<223> MAR of human chromosome 1, genomic contig; 36686 to 37008

<400> 1

ttatattatg ttgttatata tattatatta tgttattaga ttatattatg ttgttatatt 60

atataataat attatattat atattatata ttatattata taatatataa taatattata 120

taattatata ttacattata taatatataa taatattata taattatata ttacattata 180

taatataata taatattata taataatata taattatata atatataata atattatata 240

atattatata atattatata atatataaat atataataat atatattata ttatataata 300

gtatataata ttatataata 320

<210> 2

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(709)

<223> MAR of human chromosome 1, nt from 142276 to 142984

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<220>

<221> misc_binding

<222> (1)..(709)

<223> MAR of human chromosome 1, genomic contig; 142276 to 142984

<400> 2

tacaatatat ttctattat atatatttg tattatatat aatatacaat atattttcta 60
ttatatataa tatatttgt attatatata ttacaatata tttgtatta tataatatat 120
aatacaatat ataatatatt gtattatata ttataataa caatatatta tatattgtat 180
tatatattat atataaact atataatata ttgtattata tattatatat aatactatat 240
aatatatttt attatatatt atatataata caatatataa tatattgtat tataatacaa 300
tgtattataa tgtattatat tgtattatat attatatata atacaatata taataatata 360
ttataatata taataaatat ataataaat aataatatat attgtattat atattatata 420
atacaatata taatatattg tattatatat atttattac atataatata taatacatta 480
tataatatat ttgtattat atataatata tttattatg tattatagat aatatatttt 540
attatatatt atatataata caatatataa tatatttgt attgtatata atatataata 600
caatatataa tatattgtat tatatataat attaatatat ttgtattat atatttatat 660
tttatattat aattatgttt tgcattatat attcatatt atatatacc 709

<210> 3

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(409)

<223> MAR of human chromosome 1, nt from 1368659 to 1369067

<220>

<221> misc_binding

<222> (1)..(409)

<223> MAR of human chromosome 1, genomic contig; 1368659 to 1369067

<400> 3

tatacataaa tacatatgca tatatattat gtatatatac ataaatacat atgcatatac 60

attatgtata tatacataaa tacatatgca tatacattat gtatatatac ataaatacat 120

atgcatatac attatgtata tatacataaa tacatatgca tatacattat gtatatatac 180

ataaatacat atgcatatac attatgtata tatacataaa tacatatgca tatacattat 240

gtatatatac ataaatacat atgcatatatt tatatacata aattatatta tatacataat 300

acataatacat atattatgtg tatatatata taaatacata tacatatatt atgtgtatat 360

atacatgata catatacata tattatgtat atatatacat aaatacata 409

<210> 4

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of human chromosome 1, genomic contig; 2839089 to 2839482

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<400> 4

tatgtatata tacacacata tgtatatata cacacatatg tatatacgta tatatgtata 60
 tatacacaca tatgtatata cgtatatatg tatatataca cacatatgta tatacgata 120
 tatgtatata tacacacata tgtatatatg tatatatgta tatatacaca catatgtata 180
 tatgtatata tacacacata tgtatatatg tatatatgta tatatacaca catgtgtata 240
 tatatataca catatgtata tatgtatata tacacacata tgtatatatg tgtatgtata 300
 tatacacaca tatgtatata tacacatata tatgtatata tacacacata cttatatata 360
 cacatatata tgtatatata cacatatgta taca 394

<210> 5

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(832)

<223> MAR of human chromosome 1, genomic contig; 1452269 to 1453100

<400> 5

tatattacta tatatacaat atacatatta ctatatatac catgtattac tatatatatc 60
 tactatatat attactatat atacaaaata tatattacta tatatacaat atacatatta 120
 ctatatatac catatattac tatatatatc tactatatat attactatat atacaaaata 180
 tatattacta tatatactat atattactgt atatacaata tatattacta tatatatact 240
 atatattact atatatacac tatatattac tatatataca caatatatat attactatat 300

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atacacaatg tatataacta tatatacaat atatattact atatatacta tatatattac 360
 tatacatact atatattact ctatatatac aatatatata ttacaatata tactacatat 420
 tactacatat actttatata ttactatata tactatata t tactgtatat acaatatata 480
 ttactaaata tacacaatat atattactat atataca caa tatatatatt actatatata 540
 cacattatat atgactatat atacacacta tatatattac tatatatata caatatataa 600
 ctatatatac acagtataca tattactata tatacacaaat atatatatta ctatatatac 660
 actatatatt actatatata cacaatatat attactctat gtatacacta tatatattac 720
 tatatatata gaatatatat aactatatat acactatatt actatatata ctatatatta 780
 ctatatgtac tatatatatt actatatata ctatatatta ctatatatac ac 832

<210> 6

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(350)

<223> MAR of human chromosome 1, genomic contig; 831495 to 831844

<400> 6

aatatataat atataaatat taatatgtat tatataaat atattaatat attatattat 60
 attactatat aaataatatt aatatattat affaaaatat taataaatat atcatattaa 120
 atattatatt aattaaatat taataaatat attatattaa tatatttata tattaaacct 180
 ataacatatg catatactta ttatatata acatgcatgt acttatttat atatacaata 240
 tatatttata tattatataa tatattatat gtatttatat attatatatc atatattata 300

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tgattttata tattatatat catataatat atatatttat attatatata 350

<210> 7

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(386)

<223> MAR of human chromosome 1, genomic contig; 1447225 to 1447610

<400> 7

acatttaatt taattatata ctgctatata taattaaatc tatatatcta tataacttat 60

aatttatttt aatttaatta tatatactat atagttatat atacatatat gtaattatat 120

atagtataat tatagtatat atgtatatat aatgtaagta aatatatagt atatatttat 180

atatactata tatttataca tatgtcttta tatatactaa tatatataca catatgtaat 240

atgtacatat ggcatatatt ttatagtgtata tatatacata tatgtaatat atatagtaat 300

atgtaaatat atagtacata ttttaattata tggtaaatata tacacatatata tgtaatatgt 360

gtattatagt acatatttta tagtat 386

<210> 8

<211> 585

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(585)

<223> MAR of human chromosome 1, genomic contig; 4955365 to 4955949

<400> 8

atacacacat atacacatat gtacgtatat atactatata tacacacata tacacatatg 60

tacgtatata tactatatat acacacatat acacatatgt acgtatatat actatatata 120

cacacatata cacatatgta cgtatatata ctatatatac acacatatatac acatatgtac 180

gtatatatac tatatatata cacatatata catatgtacg tatatatatt atatacacac 240

atatacacat atgtacgtat atatactata tatacacaca tatacacata tgtacgtata 300

tatactatat atacacacat atacacatat gtacgtatat atactatata tacacacata 360

tacacatatg tacgtatata tactatatat acacacatat acacatatgt acgtatatat 420

actatatata cacacatata cacatatgta cgtatatata ctatatatac acacatatatac 480

acatatgtac gtatatatac tatatatata cacatatata catatgtacg tatatatata 540

atatataccc atacacatac gtatatacgt acatatatat acgta 585

<210> 9

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(772)

<223> MAR of human chromosome 1, genomic contig; 5971862 to 5972633

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<400> 9

agtaaacata tatatagtaa atatatatag tgtatatata gtaaatatat atagtgcata 60

tatatagtc atatatatag tgtatatata gtaaatatat agtgtatata tatagtaa 120

atatatagtg tatatatagt aaatatatat agtaaata tatatactat atatagtaa 180

tatatatata ctatatatag taaatatata tatagtatat atatagtaa tatatatata 240

gtatatatat agtaaata tatatagtg atatatagta aatatatata tagtatatat 300

agtaaata tatagtatat atatagtaa tatatatata gtatatatat agtaaata 360

tatatagtg atatatagta aatatatata tagtatatat atagtaaata tatatagtg 420

atatatagta aatatatata gtatatatat agtaaata tatagtatat atatagtaa 480

tatatatata ctgtatatat atagtaaata tatatactat gtatatatat agtaaata 540

tatactgt atatatatag taaatatata tactgtat atatatagta aatatatata 600

cactgtatat acatagtaa tatatatata ctgtatatat atagtaaata tatatact 660

gtatatatat agtaaata tatactgt atatacatag taaatatata tactgtat 720

atacatagta aatatatata cagtgtatat acatagtaa tatatatata gt 772

<210> 10

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(304)

<223> MAR of human chromosome 1, genomic contig; 6221897 to 6222200

<400> 10

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atataata tatataatta tattatatat aatatataat atataaatt atattatata 60
 ttatatataa tatattatat attatatata taatatatat tatatattaa atatatatta 120
 tatatataat atataattata tattaaatat atattatata tataatatat attatatata 180
 atatatataa tatatattat atatatatta tatattatat atatatatta tatatatata 240
 atatatataa tatatattat atataatata tattatatat atataatata tataatatat 300
 atta 304

<210> 11

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(311)

<223> MAR of human chromosome 1, genomic contig; 9418531 to 9418841

<400> 11

tatatataat atttatatat aatattcatg tatttatata taaatattta tatatttata 60
 tataaatatt tatatattta tatataaata ttatatatt tatatataat atttatacat 120
 tatatataat atttatatat tatatataat atttatatat aatatttata tattatatat 180
 aatatttata tatttatatg tataatatat attttatata tgtatgtata atatatattt 240
 tatatatgta tgtataatat attttatata tgtatgtata atatatattt atataataa 300
 tataatttat a 311

<210> 12

<211> 302

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of human chromosome 1, genomic contig; 15088789 to 15089090

<400> 12

atataatata tatattatat atataaatat atataaatat ataacatata tattatatat 60

aaatatatat aaatatataa catatatatt atatatataa atatatataa atatatataa 120

tatatattat atatatataat atatatataat atataacata tatattatat atataaatat 180

atattatata ttatatata taatatatat aaatatataa tatatattta tatatataat 240

atatatataat atataatata tatatttata tataatatat ataaatatat aatatataat 300

at 302

<210> 13

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(461)

<223> MAR of human chromosome 1, genomic contig; 6791827 to 6792287

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<400> 13

tatataatat atattatata tacacatata taatatatat tatatatata catatataat 60

atatattata tatacacata tataatatat attatatata cacatatata atatattatta 120

tatatacaca tatataatat atattatata tacacatata taatatatat tatatatata 180

catatataat atatattata tatacacata tataatatat attatatata cacatatata 240

atatattatta tatatacaca tatgtaatat atattatata cacacatata atatattatta 300

tatacacata tataatatat attatatata catatataat atatattata tatacacata 360

tataatatat attatatata cacatatata atatattatta tatatacaca tataatatat 420

aatatataca catatataat atatattatta tatatgcaca t 461

<210> 14

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(572)

<223> MAR of human chromosome 1, genomic contig; 163530 to 164101

<400> 14

atattataat tatatatatt atatataatt atataaaata tatattataa ttatatatat 60

tttatataat atatattatta taattaatat attatatata atatatatat tatatatataat 120

atatattatta tatatatatt atataatata tataatatat ataatatata atataatata 180

tatattatat ataatatata atatatatata tatattataa tataatatat ataatatata 240

atataatata tataatatat aatataatat ataatatata atatatatata tatataatat 300

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aatatataat atatataata tataatataa tatataatat atataatata ttataatata 360
 atatataata tatataatat aatatatata atatataata taatatataa tatataatat 420
 atatttaata tatttattaa ttatttgta tatatttatt aatatataat atataatata 480
 ttaatatat tataactata tattatatta taattatata tattatatat atacaattat 540
 aattatatat tatatatact tataatatat at 572

<210> 15

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(357)

<223> MAR of human chromosome 1, genomic contig; 1842332 to 1842688

<400> 15

tatatctata tatatctata tatatataat atagataata tctatatata taatatagat 60
 aatattatct atatataata tagataatat tatctatata taatatagat aatattatct 120
 atatataaaa ttatattata tctatatata ttatatatat aaaattatat tatatctata 180
 tataatatag ataatatcta tatataaata gataatatct atatatataa tatagatatt 240
 atctatatta tagatataga taatattatc tatattatag atattatcta tatataatat 300
 agataaatatt atctatatta tatatataat atatctatat tatctataat attatct 357

<210> 16

<211> 399

<212> DNA

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<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(399)

<223> MAR of human chromosome 1, genomic contig; 2309560 to 2309958

<400> 16

attatatata atatatatta tatattatat atatcaagca gcagatatata tatataatat 60

atataatata tataatatat attgtatatt atataatata taatatatat aatatatatt 120

gtatattata taatatataa tatatataat atatattgta tattatataa tatataatat 180

atataatata tattgtatat tatataatat ataatatatg taatatatta tgtaatatat 240

tatataatat atattatata ttatatataa tatatattat atataatata tattacataa 300

tatattacat atattacgta atatatgta tatattacat ataatatata acatatatta 360

cgtaatatat gtaatatatt acatataata tatacatta 399

<210> 17

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of human chromosome 1, genomic contig; 2231759 to 2232152

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<400> 17

atatatactt ataaattata tacttatata tacttataaa ttatatactt atatatactt 60
 ataaattata tacttatata tacttataaa ttatatactt atatatactt ataaattata 120
 tacttatata tacttataaa ttatatactt atatatactt ataaattata tacttatata 180
 tacttataaa ttatatactt atatataatt ataaattata tacttatata taattataaa 240
 ttatatactt atatataatt ataaattata tacttatata taattataaa ttatatactt 300
 atatataatt ataaattata tacatatata taattataaa ttatatacat atataattat 360
 aaattatata catatataat tataaattat atac 394

<210> 18

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(387)

<223> MAR of human chromosome 1, genomic contig; 7406524 to 7406910

<400> 18

tatattatat ataatatata ttatatataa tataaataat atatattata tataatatat 60
 aaataatata taatatataa ataatatata atatataata tataaataat atataatata 120
 taacatataa ataatatata taatatataa ataatatata taatatataa ataatatata 180
 taatatataa aaatatataa tatataatac atatataaat aatatattat attatatatg 240
 atacataata tattatatat aatatattat atgatacata atatattata tagaatatat 300
 tatatgatac ataatatatt atatagaata tattatatga tacataatat attatatgat 360

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acataatata ttatatataa tatatta

387

<210> 19

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

<223> MAR of human chromosome 1, genomic contig; 9399572 to 9399941

<400> 19

catatatata tatatacaca tatatacaca tatatatata catacatatg tacacatata 60

tatatacaca tgatatacaca tatatacaca tatatacaca catatatata catatatata 120

cacatatata cacatatata cacatatata cacatatata catatatata catatatata 180

tatatacaca tatatatata atatacaca atatatatac atatatatac acatatatac 240

acatatatac acatatatac acatatatac acatatatac acatatatac acatatatac 300

acatatatac acatatatac atatatatac atatatatac atatatatac atatatatac 360

atatatatac

370

<210> 20

<211> 377

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(377)

<223> MAR of human chromosome 1, genomic contig; 12417411 to 12417787

<400> 20

attatatata atacatataa ttatatattt atatataaat tataataaat acatataatt 60

atatatttat atataaatta tatataataa atacatataa ttacatatat ttataaatta 120

taataaatac atataattac atataatttat atatgaatta tatataataa atacatataa 180

ttatatatat ttatatgtag attatatata aatatatata atttatatat ataataatat 240

atataattta tatatataat tatatatata ataaatatat ataatttata tatataatta 300

tatatataat aatatataa taatatatat aatttatata tataattata tatataataa 360

atatatataa ttatat 377

<210> 21

<211> 1524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1524)

<223> MAR of human chromosome 1, genomic contig; 1643307 to 1644830

<400> 21

tataaatata tataaatata taaatatata taaatatata aatatatata aatatatata 60

aatatataaa aatatataaa tatatatataa tatatatataa tatataaaaa cataaaaaata 120

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tatataaata tatataaata tataaaaata tataaatata taaatatata aaaatataca	180
aatatataaa tatatacata aatatatata aatatatata aatatataaa aatatatata	240
aatatataaa tatatataaa tatatataaa tatatataaa tatataaaaa tatatataaa	300
tatataaata tataaaaata tatataaata tataaatata taaatatata taaatatata	360
aatatataaa taaatataag tatttatgaa tatatatgaa tatataaata tataaaaaat	420
atatataaat atataaatat atataaatat ataaatatat acatatatac atatataaat	480
aaataaatat aagtatttat gaatatatat gaatatataa atatataaaa aatatatata	540
aatatataaa tatatataaa tataaatata taaaatata taaaatata tataaatata	600
taaatatata taaatatata aatatatata aatatatata aatatataaa tatatataaa	660
tatatataaa tatataaata tataaatata tataaatata tataaatata taaatatata	720
aatataaata tataaatata tataaatata tataaatata taaatatata taaatatata	780
taaatatata taaatatata taaatatata aatatatata aatatatata taaatatata	840
taaatatata aatatataaa tatataaaaa tatataacaa tatataaata tatataaaaa	900
tatataacaa tatataaata taaatatata taaaatata taacaatata taaatatata	960
tatatataaa tatataaata taaatatata aaatatatat aaatatataa atatataaa	1020
atatataaat gtataaatat atataaaaaat atataacaat atataaatat ataaatatat	1080
aacaatatat aaatatataa aaatatataa caatatataa atataaatat atataaaaaat	1140
atataacaat atataaatat aaatatatat ataaatatat aaatatataat ataaaaaata	1200
tatataaata tataaatata tatataaata tatataaata tataaatgta taaatatata	1260
taaatatata aatatataaa aatatataaa tatatataaa tatatataaa tatataaata	1320
taaatatata aatatatata aatatataaa tataaatata taaacatata taaatatata	1380
taaataaaca tatataaaga tatataaaga tataaagata tataaatata taaatatata	1440
aagatatata aatatataaa gatatatataa tatataaaga tatataaata tataaagata	1500
tataaatata atatataaat atat	1524

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<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(664)

<223> MAR of human chromosome 1, genomic contig; 1398763 to 1399426

<400> 22

acacatatat atataaaata tatatatata cacacatatata tataaaatat atatatatat 60

acacatatat ataaaatata tatatacaca catatatata aaatatatat atacacacat 120

atatataaaa tatatatata cacacatatata tataaaatat atatatacac acatatatat 180

aaaatatata tatacacaca tatatataaa atatatatat acacacatat atataaaata 240

tatatatata cacatatata taaaatatat atatacacac atatatatata aatatatata 300

tacacacata tatataaaat atatatatat acacatatat aaaatatata tatacacaca 360

tatataaaat atatatatat acatatatat aaaatatata tatacacata tatataaaat 420

atatatacac acatatatat aaaatatata tatacacaca tatatataaa atatatatat 480

acacatatat ataaaatata tatatacaca tatatataaa atatatatat atacacatat 540

atataaaata tatatacaca catatatata aagtatatat atacacacat atatataaaa 600

tatatatata cacatatata taaaatatat atatacacat atatataaaa tatatatata 660

caca

664

<210> 23

<211> 1428

<212> DNA

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<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1428)

<223> MAR of human chromosome 2, genomic contig; 17840365 to 17841792

<400> 23

aatttattat atattatata ttatatatat tatatatatt atatattata tatattatat 60
atattatata ttatatatat tatatatatt atatttatat ataatatata tctaatatat 120
atattagata taatatatat ctaatatata tatattttat atatataata tatctctaata 180
atatatattt tatatgtata taatatatct ctaatatata tatattttat atgtatataa 240
tatatctcta atatatatat ttttatata taatatatct ctaatatata tattttatat 300
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atattttatta tatatatatat atataatatata taatatatat attatattat atacatatat 420
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<221> misc_binding

<222> (1)..(3354)

<223> MAR X_S29 of chromosome X

<400> 27

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SEL PCT 012.ST25

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SEL PCT 012.ST25

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<210> 28

SEL PCT 012.ST25

<211> 677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(677)

<223> MAR of chromosome 1 genomic contig; 12803267..12803943

<400> 28

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<210> 29

<211> 332

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(332)

<223> MAR of chromosome 1 genomic contig; 13079684..13080015

<400> 29

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attatatata ttatatatta taattatata ttatataatt ataatatata tgtaatatata 240

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<210> 30

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(479)

<223> MAr of chromosome 1 genomic contig; 15682296..15682774

<400> 30

SEL PCT 012.ST25

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 acaagtacat atatatagta tatatatata caagtacata tatatatagt atatatatat 240
 acaagtacat atatatagta tatatatata caagtacata tatatatagt atatatatat 300
 acaagtacat atatatatag tatatatata tacaagtaca tatatatata gtatatatat 360
 atacaagtac atatatatag tatatatata tatatacaag tacatatata tagtgtatat 420
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<210> 31

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(531)

<223> MAr of chromosome 1 genomic contig; 15694611..15695141

<400> 31

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 cataataata tataatgaat ataataataa ataaatataa taaaatatat aatatatcta 120
 ttatgtatta tatattatat atgtttatat ataataataat tatatatgtt tatatataat 180
 ataattatat atgtttatat ataataataat tatataattat atattataga tataatatat 240
 aatatactat atattataga tataatatat aatatactat atattataga tataatatat 300
 aatatactat atattataga tataatatat aatatactat atattataga tataatatat 360

SEL PCT 012.ST25

aatatactat atattataga tataatatat aatatatatt atatattata gatataatat 420

ataatatatt atatattata tctatatata atatattgta tattatatat aatatattgt 480

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<210> 32

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(378)

<223> MAR of chromosome 1 genomic contig; 886276..886653

<400> 32

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attatataca atataattta tatataaaat ataaattata taaataattt atatataaaa 120

tataaattat ataaataatt tatatataaa atataaatta tgtataaaat ttatatataa 180

aatataaatt gtgtataaaa ttatatataa aatataaatt gtgtataaaa ttatatata 240

aaatataaat tatatataat ttatatatta taatataaat tatatataat atatatacata 300

aaatataaat tatatataat atatatacata agatataaat tatatataat atatatacata 360

agatataaaa tatataat 378

<210> 33

<211> 595

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(595)

<223> MAR of chromosome 1 genomic contig; 3326732..3327326

<400> 33

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atatatataa aatatatata aatatatata aatatatata aaaatatataa tatatatataa 180

aatataaata tatataaata tatataaaaa tataaatata tataaatata tataaatata 240

taaatatata taaatatata taaatatata aatatatata aatatatata aatatatata 300

aatatatataa tatataaaaa tatatatataa tatataaata tatataaata tataaatata 360

taaaaatata tataaatata taaatatata taaatatata taaatatata tataaatata 420

tataaatata tatatatata aatatatata aatatatata taaatatata taaatatata 480

tatatatata taaatatata taaatatata taaatatata tataaatata tataaatata 540

tataaatata tatataaata tatataaata tatatatataa tatatatataa tatat 595

<210> 34

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(738)

SEL PCT 012.ST25

<223> MAR of chromosome 1 genomic contig; 4485716..4486453

<400> 34

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tatataatata tcatataata tatataatat ataatatatt atatattcat catataatat 120

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ttgtatataa tatatatcat attatatgt atataatata tatcatatta tattgtatat 240

aatatatatac atattatatt gtatataata tatatcatat tatattgtat ataatatata 300

tcatattata ttgtatataa tatatatcat attatatgt atataatata tatcatatta 360

tattgtatat aatatatac atattatatt gtatataata tatatcatat tatattgtat 420

ataatatata tcatattata ttgtatataa tatatatcat attatatgt atataatata 480

tatcatatta tattgtatat aatatatac atatattatc tatttatattg tatataatat 540

atattatata ttatctatta tattgtatat aatatatatt atatattatc tatttatattg 600

tatataatat atattatata ttatctatta tattgtatat aatatataat aaatatagta 660

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tatatactat atactata 738

<210> 35

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(386)

<223> MAR of chromosome 1 genomic contig; 5423067..5423452

SEL PCT 012.ST25

<400> 35

taaatatata aaaatatata taaaaatata aaaatatatta tataaatata taaaaatatt 60

tatataaata tataaatata taaatatata ttatatataa tatataaata tataaatata 120

taatatata ttatatataa tatataaata tatatttata taaatatata aatatatata 180

aaatatataa atatatattt atataaatat ataaatatat ataaaaatata taaatatata 240

tattttatat aaatatataa atatatataa aatatataaa tatatatatt ttatataaat 300

atataaatat atataaaata tataaatata tatattttat atatttatat atataaatat 360

atatatttca tatatcacat atatga 386

<210> 36

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(584)

<223> MAR of chromosome 1 genomic contig; 5805559..5806142

<400> 36

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atatatatata taatatataa tatataaatat tgatatattat attatatata ttatatata 120

tattattata tattatatata tatataaatat aatatatatt ataatatatt atattatata 180

tattataatg tattataata tatatttatat tatattttat aatatatatt atattatata 240

ttatatataa tattatatata tatattataa tatattttat attatatatt atattatata 300

SEL PCT 012.ST25

atacatatta taatacatat tatataatat attataatat gtattataat acatattata 360
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 tattatgtat attatatata atatatatta caatgtatat tatgtatatt atatatatta 480
 tatatcatat aatatatatt atatatataa tgatatataa tatatattat ataatatatt 540
 atatgatata tataatatgt attacatgta atatatatca taat 584

<210> 37

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(345)

<223> MAR of chromosome 1 genomic contig; 10802644..10802988

<400> 37

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 atatagtata tatatacact atatatagta tatatagtat atatatattg tgtatatagt 180
 atatatatag tgtatatata gtatatatat attgtatata tagtatatat attgtgtata 240
 tatagtatat atatagtata tatagtatat atagtatata tatagtatat atatactata 300
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<210> 38

<211> 474

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(474)

<223> MAR of chromosome 1 genomic contig; 13496468..13496941

<400> 38

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tataatataa tatataatat ataattatat ataattatat aatataatat ataatatata 180

attatataata atttatataa tataatatatat aatatataat tatatatatt tatataatat 240

aattatatat aatatataat tatatataat ttatatataa taattatata taatatataa 300

ttatatataa ttatatataat ataattatat ataattatat atttatataa atttatataa 360

tataaattata tataatatatat aattatatat aatatataat tatatataat tatatataat 420

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<210> 39

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(483)

<223> MAR of chromosome 1 genomic contig; 2509163..2509645

SEL PCT 012.ST25

<400> 39

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aattacaata tatgatatgg ttatatatt atatatagta taatataata taacataata 120

ctattataat atataaacta tataatatat actattataa tatatgaact attataatat 180

ataaactata tataatatat aatatgtact attataatat ataaactatt ataataatat 240

atataaacta ttataataca taaactatta taatatatat aatactatgt atacatatat 300

tacattatgt acatactaca ttatgtatta tgtatgtata tatacacaaa atacataata 360

tataatagta ttatataata gtatatatag ttataatata tagtataatt acaatatata 420

atatggttta tatattatat atagtataat acaatataac ataatactat tatatataaa 480

cta 483

<210> 40

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(641)

<223> MAR of chromosome 1 genomic contig; 2776349..2776989

<400> 40

tgttatatat atataacata gatattatat atacatgtta tatatataac atagatatta 60

tatatacatg ttatatatat aacatagata ttatatatat aacatagata ttatatatac 120

atgttatata taacatagat attatatata catgttatat ataacagata ttatatatac 180

SEL PCT 012.ST25

atgttatata taacatagat attatatatg tatgttatat ataacataga tattatata 240
 gtttatataa tatataacat atgtttaaca tatataatat ataacatgtt tatataatat 300
 ataacataat tatatgttat atatgatata aaacatatat attatatacg ttatatgtaa 360
 tatataacat atattgtata cgttatatgt aatatataac atatattgta tacgttatat 420
 gtaatatata acatatattg tatacgttat atgtaatata taacatatat tgcatacgtt 480
 atatgtaata tataacatat attgtatacg ttatatgtaa tatgtaacat atattgtata 540
 cgttatatgt aatatgtaat atataatata tataacatgt atatataaca tatatgtata 600
 taacatatat ataacatata taacatatat gttatattat a 641

<210> 41

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(745)

<223> MAR of chromosome 1 genomic contig; 2858703..2859447

<400> 41

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 atatattatt atatttataa tataatatat atttatatta tatattataa atatattatta 180
 tataatatat attataaata tatatttatat aatatatatt ataaatatat attatattat 240
 atattataaa tatatattat ataatatata ttataaatat atatttatata atatattatta 300
 taaatatata ttatatttat aatatatatt ttgtatatatt atatattata tattataaat 360

SEL PCT 012.ST25

attattatat ttataatata ttatatatt tatatataat atatgatata tattataaat 420
 atatcttata aatatatata ttatatata tatattataa atatataaat ataaatatat 480
 aatataatat aatataatat aataaatata atatataata tatataatat ataataaata 540
 taataaatat aatatatca tataaatata aatataaata taaatatatc atataaatat 600
 atatatttat atgatatt atagtatata taaatatatt tatatattat aaaatattta 660
 tataatatat aattataata ttttatata tataaattaa ctaatatata taaactaata 720
 taatatataa tgtaataata tagta 745

<210> 42

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(307)

<223> MAR of chromosome 1 genomic contig; 945522..945828

<400> 42

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 gtacatatat atatatgtaa atatataata tatatttaca ttatattata taatatatat 180
 ttacattata ttttatata tacattatat atatttcat tataaatatt tatataatat 240
 atatttcat tatattacat tatataaaat acaatatatt acattataat acattataac 300
 agataaa 307

<210> 43

SEL PCT 012.ST25

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(357)

<223> MAR of chromosome 1 genomic contig; 3402743..3403099

<400> 43

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aattatatat aatatatata tttttataaa tatataaata tataataaat aaatatatta 180
aataaataat aatatattaa atattaatat attaaatatt atatattaaa tataatatgt 240
aatatgaaat atattaaata ttatatatta aatataatat ataattgtgaa atatattaaa 300
tattatatat taaatataat atataatatg aaatatatta aatattatat attaaat 357

<210> 44

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(323)

<223> MAR of chromosome 1 genomic contig; 3485830..3486152

SEL PCT 012.ST25

<400> 44

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tagtatattt gtatactata tatttatata tttagtatat ttgtatacta tatatttata 120

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tagtatattt gtatactata tatttatata tttagtatat ttgtatacta tatatttata 240

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tatatatatta gtatatttat ata 323

<210> 45

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(498)

<223> MAR of chromosome 1 genomic contig; 3548336..3548833

<400> 45

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ttatattata gtattaatat aatagtgat aacattaata taatatagta ttaatataat 120

agcgtataac attaatataa tatagtatta atataatagc gtataacatt aatataatat 180

agtattaata taatagtgta tattaatata atatagtatt aatatataat attaatataa 240

tatatcaata taatagtata taatataata taatatatca atataatagt atataatata 300

atataatata tcaatataat agtatataat ataataatata atatcaatat aatagtatat 360

SEL PCT 012.ST25

aatattaata taatataata tcaatataat agtatataat attaatatat taatataata 420
 gtatataata ttaatgtaat ataatatata cataatgtat ataataatat aatagtatat 480
 aatactaata taatataa 498

<210> 46

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(400)

<223> MAr of chromosome 1 genomic contig; 4595109..4595508

<400> 46

aaatatatta tattatatat tatatattat tcaatataact ataatatata ttatatatgt 60
 ttaatacaat atataatatt tacatatatt cccatttatt tatataacat atattatatg 120
 atattatata ttactccata taatataata tattatacat aatatattac tcagtataat 180
 acataatata tataatatat tactcggtat aatatataat attatatggt atgcaatata 240
 atatataata ttatatataa tacattattc aatataatat ataattattat atataataca 300
 ttattcaata taatatataa tacactattc aatataatat acaatattat atataataca 360
 ttattcaata taatatatat tatataatat atatatttat 400

<210> 47

<211> 403

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(403)

<223> MAr of chromosome 1 genomic contig; 7205509..7205911

<400> 47

agtatatata tgtgtatata tatgagtata tatatgtgta tatatatgag tatatatatg 60

tgtatatata tgagtatata tatgtgtata tatatgagta tatatatgtg tatatatatg 120

agtatatata tgtgtatata tatgagtata tatatgtgta tatatatgag tatatatatg 180

tgtatatata tgagtatata tatgtgtata tatgagtata tatatgtgta tatatgagta 240

tatatatatg tgtatatatg tgagtatata tatgtgtata tatatgagta tatatgtgta 300

tatatatgag tatacatatg tgtatatata tgagcatata tgtgtatata tatgagtata 360

tatatgtgta tatatatgag tatatatgtg tatatatatg agt 403

<210> 48

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 7507280..7507588

<400> 48

SEL PCT 012.ST25

tataaaatat atattattta tatattatat ataaaaatata tattatatta tatattatag 60
 atataataaa taaataatat ataatatatt atataattat ttatacataa ttatatataa 120
 ttatatgtaa ttgtacaatt atatataatt atatacaatt atacacataa ttatatataa 180
 ttatacaatt atatacataa ttatatatat aatatacata attatatatt aattatacaa 240
 ttatatacat aattatatat aattatacaa ttatatacat aattattatg tatattatat 300
 tatataata 309

<210> 49

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(516)

<223> MAR of chromosome 1 genomic contig; 3581085..3581600

<400> 49

atatatatat atatatatat atttatatat atatatatatta atatatatatta tatataaaaa 60
 tatataaaat ttatatatat aatttatata tataaaaaata tataaaattt atatatatata 120
 ttatatata taaaaatata taaaatttat atatataatt tatatatata aaaatatata 180
 aaatttatat atataattta tatatatataa aatatataaa atttatatat ataatttata 240
 tatataaaaa tatataaaat ttatatatat aatttatata tataaaaaata tataaaattt 300
 atatatatata ttatatata taaaatatat aaatttatata tataattata tatataatat 360
 aaaatttatat atataattat atatataata taaaattata tatataatta tatatatataat 420
 ataaaattat atatatatig tatatatata aatatatacaa aatttatata tataaaaatat 480

SEL PCT 012.ST25

aaaatatata taaaaataaa tatatatataat ttatat 516

<210> 50

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(534)

<223> MAR of chromosome 1 genomic contig; 3084851..3085384

<400> 50

atataatata tatgactata tttttatat tatattctat ttcaataaaa tatttatatt 60

ttattatata ttataatata taattatata tgtaataata tataatatai aatatatatt 120

ttatattata ttttatattt atttttatat ttatattat attttattat atatattata 180

atatataatt atatatgcaa taatatatta tatattataa tatataatta tatatgcaat 240

aatatattat atattataat atataattat atatgcaata atatattata gattataata 300

tataattata tatgcaataa tatattatat attatatatt agataatata ttaatatata 360

ttataacata taatatataa catataatat ataatatatt atctaataata taatataaca 420

tataatatat aatatattat ataatatatt attacatata taatatattg taatatataa 480

tattacatat atcttcaaaa agagtatatgt gtatataata catatatata ccat 534

<210> 51

<211> 583

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(583)

<223> MAR of chromosome 1 genomic contig; 160087..160669

<400> 51

tatttatata aaatatataa aatatattat atataaatat attatatata atatattat 60

atattatata atatattat atattatata taatatattt tatataatat acataatata 120

ttttatatat tatatataat atattttata tataatgtac aatatattt atatattata 180

tataatatat ttatatata ctatacaata tttttatat attatatatt ttatatatat 240

tttcatgta acatatatat ttatatata atatatatac catataatat atattttata 300

tataatatat ataccatata taatatattt tatatataat atgtatatca tatatagtat 360

attttatata taataggat accatatata atatatttta tatataatag gtataacata 420

tataatatat ttatatata atatgtatcac catatataat atattttata tattatagat 480

accatatgta atatacttta tatataatat agataccata tgtatatatac ttatatata 540

atatagatac catatgtaat atactttata tataatatag ata 583

<210> 52

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(314)

SEL PCT 012.ST25

<223> MAR of chromosome 1 genomic contig; 4350424..4350737

<400> 52

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tatgtgtata taaatatatg tatatatgtg tatataaata tatataaata tatgtatata    60
tgtatatata catatattta tatataaata tatgcatata ttatatata aaatatatgc    120
atatatgtat atatataaaa tatatacata tatgtatata tataaaatat atacatatat    180
gtatatatat aaaatatata catatatgta tatatataaa atatatacat atatgtatat    240
atataaaata tatacatata tgtatatata taaaatatat acatatattt atatatataa    300
aataccaagt ctta                                     314
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<210> 53

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(828)

<223> MAR of chromosome 1 genomic contig; 8443267..8444094

<400> 53

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tattatataa ttatatatac tatataatta tataatatat agttatatag tatatataat    60
atatataata tatactatag tatatataat atatataata tatactatag tatatataat    120
atataattat atataatata tataatatag tatatattat atatatatfa tatatatata    180
atatatatat aatatatata atatagtata tataatatat aattatatat aatatataat    240
atagtatata taatatataa tatatatata attatatact ataatatata taatatataa    300
```

SEL PCT 012.ST25

ttatatatta tatactatag tatatattat tatatataat agatataata tatataatta 360
 ttatataata tagtatatat aatatataat tatatataat agatataata taatataatt 420
 atatataata tagtatatat aatatataat tatattatat tatatataat atataaattat 480
 aatatataat tatattatat aatatatata atatataatt atattatata attatattat 540
 ataatatata taatatataa ttatattata taatatatat aatatataat tatattatat 600
 aatatatata atatataatt atattatata atatataata tatataatta tattatataa 660
 tatatataat atataaattat atattatata taatatagta tatataatat gtaattatat 720
 atcatataat atataacatt gtatataata tataattaca tattatataa tgtatataat 780
 atataaattat atacattata taatatagta tataattata tattatgt 828

<210> 54

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(573)

<223> MAR of chromosome 1 genomic contig; 8703190..8703762

<400> 54

tatattatat ataaaatata catataatat acctataata tacatataat atataatata 60
 tattatgtac atataatata catataatat atataatata taatgtacat ataataatata 120
 tataatatat gttatatatt atatataaaa tataggatat atataatata gaatatatat 180
 actatattgt atataaaga tatataatat atagtatata tactatataa tatataatat 240
 atagtatata taatatataa tatagaatat atatacaata tataatatag aatataggat 300

SEL PCT 012.ST25

atatatagaa tatacatata taatatgtat atatattata ttattatata tattatataa 360
 aaatatataa tatataatat aaaaatatat tatatattat ataataaaa atatattata 420
 tattatatat tatataatat aaaatatatt atatattata tattatatat aaaatatatt 480
 atatattata tattatatat aaaaatatat tatatattat atattatata taaaaatata 540
 ttatatatta tatataaaaa tatatattat tac 573

<210> 55

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(597)

<223> MAR of chromosome 1 genomic contig; 8819076..8819672

<400> 55

acatatctta tatataaaat atataaatat acacatattt tatatataat atatattata 60
 tatatgaaat atacacatat ttttatatat ataatatata tattatatat aatatatgca 120
 tatattatat ataaaatata tatattatat ataaaatatg catatattat atataatata 180
 tataatataa aatatataat atatattata tattatatat aatatatatt atatataata 240
 catatatata atatataata tatataaaat ataatatata tattatataa tatatatata 300
 aatatatata atatatatat aatatatata ttatatataa aatatatatt atagtataaa 360
 tatataatat atataatata tatattatat gtaaaatata tattatatat aaaatatata 420
 atatatataa tatatattat atataaaata tataatatat aaaatatata atatataata 480
 aatatataat atatataaat atatattata tataaaatat ataatatata taaatatata 540

SEL PCT 012.ST25

ttatatataa aatatataat atatataaat atatattata tataaaatat atattat 597

<210> 56

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(646)

<223> MAr of chromosome 1 genomic contig; 759619..760264

<400> 56

taatatatat aatatatatt atataataat atataatata tattatatta taatatataa 60

tatattatat aataatatat attatataat atataataat atatataata catattattt 120

aataatatat aatatatatt atataataat atataatata tattatataa taatatacat 180

tatattatat aatatataat atatataata tatattatat aataatatat aatatatatt 240

atagaatgat atattagata ttatataatt atatatataa tattatatat tatataataa 300

tatataatat atattatata attatataa taatattata tattatataa ttatatataa 360

tatattatat aattatatat ataattat atattatata attatataa atatatatta 420

tataattata tatataatac tatatattat ataattatat ataatactat atattatata 480

atttatataa ttatatatat tatatattat ataattatat atattatata ttatataata 540

acatatatat tatatattat ataataacat atatattata tattatataa tacatatata 600

ttatatatta tataatacat tattatataa tatataatat atatta 646

<210> 57

<211> 752

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(752)

<223> MAR of chromosome 1 genomic contig; 1226710..1227461

<400> 57

taaacatata tataaatata tataaatata tatataaata tatataaata tataaatata	60
taaatatata tgaatatata aatatatata aatatatatg aatatataaa tatatatata	120
aatatatata aatatatata taaatatata taaatatata taaatatata taaatatata	180
taaataaata tataaatata tataaatata taaatatata tataaatatg taaataaata	240
tatataaata tataaatata tataaatata tataaatata tatagaaata tatatagaaa	300
tatatataaa tatatataga aatatataga aatatatata gaaatatata taaatatata	360
taaatataga aatatatata aatatatata aatatatata gaaatatata atatataaa	420
atatatataa atatataaat atatataaa atatatatat aaatatatat aaatatatat	480
aaatatatat aaatatatat aaatatatat attaatatat aaatctatat taatatatat	540
taatatataa atctatatta atatatatta atatatatat taatatatat taatatataa	600
atatatatat taatatataa atatataaa atatatatgt aaatatatat ataaatatat	660
ataaatatat atataaatac atataaatat atatataaat atatataaat atatataaa	720
atatatataa atatatatat aaatatatat aa	752

<210> 58

<211> 300

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(300)

<223> MAR of chromosome 1 genomic contig; 1119049..1119348

<400> 58

taataacat ttatataat atatgtaata tatatttat atatatgtaa tatatattt	60
atataatata tgtaatatat attttatata tatgtaatat atattttata taatatatgt	120
aatatatatt ttatataata tatgtaatat atattttata taatatatgt aatatatatt	180
ttatataata tatgtaatat atattttata taatatatgt aatatatatt ttatataata	240
tatgtaatat atattttata taatatatgt aatatatatt ttatatatat gtaatacata	300

<210> 59

<211> 617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(617)

<223> MAR of chromosome 1 genomic contig; 3603613..3604229

<400> 59

aaaatataat atatataata tataatatat ataatatatt atatataaaa tatataatat	60
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SEL PCT 012.ST25

ataatatata taataaaata tacataatat ataattgata ataaaatata cataatatat 120
 aatatataat aaatatataa tatataatat ataataaaat atataatata taatatataa 180
 taaaatatat aatatattat atataataaa atatataata tattatatat aataaaatat 240
 ataatatatt atatataata aaatatataa tatattatat ataataaaat atataatata 300
 ttatatataa taaaatatat aatatattat atataataaa atatataata tataatatat 360
 aataatatat ataatatata atatataata taaaatatat ataatatata atatataata 420
 taaaatatat aatatataat atatataata aaatatatat gatataatat atatataata 480
 aaatatatga tatataatat atataataaa atatataata tataatataa tatataatat 540
 atatactaaa aaatatataa tatataataa aaaatatata atatataata tatataatat 600
 ataataaaat atatata 617

<210> 60

<211> 674

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(674)

<223> MAR of chromosome 1 genomic contig; 2592460..2593133

<400> 60

taagcttata tatatatata agcttatata tatatatata agcttatata tatatagaaa 60
 gcttatatat atatagaaag cttatatata taagaagcct atatatataaa gcttatgtat 120
 aaatatatat aaatatattt atttatgctt atagatacat atataaatat atttatttat 180
 atttatatat aaacatatat ttatatatat ttatataata ttattttatt atataaataa 240

SEL PCT 012.ST25

atatataata aataataaat atatataata tatttatgt attattata taaatttatt 300
 aatataatat ataataaaat aataattata taaatatata aatatctata aatatatata 360
 aatatatata atatctataa atatataata atataaatat atataaatatc tataaatata 420
 gataaatata aatatatata atatctataa atagataa atataaatat atataactat 480
 atataaatat atataactat atataaatat atatataaat atataaact atatataata 540
 ctatatatat aaatatatat aactatatat ataaatatat atataaatat atataactat 600
 atatataaat atataaact atatataaat atatataata atatataata ctatatatat 660
 aaatatatat ataa 674

<210> 61

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1694)

<223> MAR of chromosome 1 genomic contig; 2891680..2893373

<400> 61

atatgtaata catatattat atatgcatat atacatgcat atgtatatac atatattata 60
 tatgcatata tacatgcata tgtatataca tatataaagt atgattatat ataatatata 120
 catgtatatg tatatacatg tatatattat attatatatt attatacat attattatgt 180
 ctatatataa tataatatat acatattaat aatataaac ataataaat ataatatatt 240
 atataatata taatatataa taatatatta tataatacat aatataaat aatatattat 300
 atgatacata atataatata atatattata tgatacataa tataatataa tacatattaa 360

SEL PCT 012.ST25

taatatatta ttattattaa tataatat acatatta atacatacat atatattata 420
 ttatatataa tatacatata atataatatg taatattata tataatataa tacataatat 480
 aatacatatt aataatatat tattaataag ataatatata tgtatctata atatatacat 540
 atatgtatat gtatgtatat attatagata tacatgttta tacatgtata tattatagat 600
 atatacatgt atatacatgt atatattata gatatataca tgtatatacg tatatattat 660
 agatatacat gtatatatgt atatatatta tagatataat atatacaaga atataagaat 720
 atatataata taatatataa tacacataat acgtatatat tatatataca tgtatattat 780
 atatgtacat atatacatgt atattatata tacatgtata ttatatatac atgcatatta 840
 tatatatttt tatatataat atccatgtat attatgtata tttgtgtata ttatatatac 900
 atgtatatta tatatacatg catatttatat atatttttat atataatatac catatatatt 960
 atgtatattt gtgtatatta tatatacaca tatatttatat atacatggat attatatata 1020
 cacatatatt atatatacat atatattata tatacacata tattatatat acatgtatat 1080
 tatatataca cgtatattat atatacacac gtatattata tatacacgta tattatatat 1140
 acacacgtat attatatata cacgtatatt atatatacac acgtatatta tatatacacg 1200
 tatatttatat atacacacgt atattatata tacacgtata ttatatatac acacgtatat 1260
 tatatataca cgtatattat atatacacac gtatattata tatacacgta tattatatat 1320
 acacacgtat attatatata cacgtatatt atatatacac acgtatatta tatatacatg 1380
 tatatttatat atacatgtat attatatata cacatgtata ttatatatac atgtatatta 1440
 tatatacaca tgtatattat atatgcatgt atattatata tacacatgta tattatatat 1500
 acacatgtat attatatata catatatatt atatatacat gtatattatg tatacatata 1560
 tattatatat acatgtatat tatagataca tatatattaa atatacatgt atattatgta 1620
 tacatatata ttaaataat acgtatattg tatatacata tatatttatat acatgtatat 1680
 tacatgtata cata 1694

<210> 62

<211> 587

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(587)

<223> MAR of chromosome 1 genomic contig; 3432560..3433146

<400> 62

gaattatata tatatagctg aattatatac atatataata tatacaatat atattatata 60

tttatatatg atatatacaa tatatattac atattatata tacaatatat aatatataat 120

atataatatt atatattata tattgtatat aatatatatt atataacatt atataatata 180

taatattata tattatatat tgtatataat atatattata taacattata taatatatac 240

tattatatat tataatatat aatatataat aatatataat agtatatatt atatatattg 300

tatatattat atataaatat ataatatata atatatatta tataatatat attatataat 360

atatattatt atatattata tatttatata taatatatat tatatatatt atattttata 420

tataaatata taatatataa taatatataa tttaatatat ataatatata caatatataa 480

tatataatat attaatatat ataatatata caatatataa tatataatat ataatatata 540

atataaatta ttatatataa tatatattat atatagctga attatat 587

<210> 63

<211> 313

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(313)

<223> MAR of chromosome 1 genomic contig; 3805392..3805704

<400> 63

tatataatat gtatattatg taatatttta tatagcatat atgtatatta tatataatct 60

tttatatata gtatataata tgtatattat atattatata attatataat tatgtattat 120

ataaaatata ttatataata tataattata tatttttga aatatagatt atatataata 180

tatatggcag tgagctgaga tataatatat attatctata ctatataata tatattatat 240

atactctata ttatataatg atatattata tataatatat acatatataa tgtgtatata 300

ttatatataa taa 313

<210> 64

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(349)

<223> MAR of chromosome 1 genomic contig; 4521378..4521726

<400> 64

ttatatacac tatataatat gtatttatat atacttatat acactatata tgtatttata 60

tataattata tacactatat aatatgtatt tatatataat tatatacact atataaatg 120

tatttatata taattatata cactatataa tatgtattta tatataattg tatacactat 180

SEL PCT 012.ST25

ataatgtata tttatatata attgtatata ctatataatg tatatttatg tataattgta 240

tacactatat aatgtatatatt tatgtataat tgtatacact atataatgta tatttatgta 300

taattgtata taccatataa tgtatatatta tgtataattg tatatacca 349

<210> 65

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(500)

<223> MAR of chromosome 1 genomic contig; 3240166..3240665

<400> 65

ttaatatata atatataatta tatatttata tattaatata taatatatat ttatatataa 60

tatatattat atatttatat tacatatatt tataatgttaa tatatatttt atatatttat 120

atattttata tatttatata ttatatattt atatattata ttatatatt atatatttat 180

attatatatt tatatattat atttatatat tatatatatta tattatatat ttatatattg 240

tatatattata ttatatattt atatattgta ttatatatt atatatttat atactatata 300

tatttatata tattatatat ttatatatta tatatatatta tatatattat atatttatat 360

attatatata ttatatata ttatatattt atatattata tatatttata tatatttatat 420

atatttatat atatttatata ttatatata atatataatta tatattttat ctatatattt 480

atatattaat atatattata 500

<210> 66

<211> 866

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(866)

<223> MAR of chromosome 1 genomic contig; 409429..410294

<400> 66

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atatatataa tatattatat atattatata ttatatatat aatacatata ttatatatat   60
aatatataat acatatatta tatatattat atattatata taatatataa tacatatatt   120
atatataata tataatatat aatatattat ataataaat tatataatta tataatataa   180
tataatatat aatattatat aattatataa tatatataat tatattatat attataaata   240
ttatataata tatatattac aaatatatat tatatatatt ataaatatta tataacatat   300
atattatata atatatataa tatataatat atataaaaat ataatatata agatatatat   360
aatatatgat atatatgata tataatatat gatatatatg atatatataa tatatgatat   420
atatgatata tatgatatat ataatatatg atatatatga tatatatgat atatgatata   480
tatgatatat gatatatatg atatatatga tatatgatat atatgatata tatgatatat   540
gatatatatg atatatatga tatatgatat gatatatata atatatgata tgatatatat   600
aatatatgat atatatgata tatgatatgt aatatatatg atatattata tataatatat   660
aatatataca taatatataa tatataatat ataatatata taatatgtga tatatataat   720
atatgatata tgatatatga tatatattat ataatatata taatatatat tatatataat   780
atatattata taatatatat aatatatatt atatataata tataagatat aagatataat   840
atatataata tataatatat ataata                                     866

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<210> 67

SEL PCT 012.ST25

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(335)

<223> MAR of chromosome 1 genomic contig; 614754..615088

<400> 67

acccaatata tgtgtatata tgtatgtata tatacatata catacataca tatatgtaca 60

tacatatata catacataca tatatatgta catacatata tacatacata catatatata 120

tataacatat atacacacat atatacagat atacatatat acatacatat atacatataa 180

catatatata tacatatata catataaacac atacatacat acatatatac atacaacata 240

tatacataca tatatacata tgtatacata catatatgta tacatatatg tatacatata 300

tgtatacata tatgtatata tatattgtta tatat 335

<210> 68

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(455)

<223> MAR of chromosome 1 genomic contig; 1299520..1299974

SEL PCT 012.ST25

<400> 68

ggatatatat attattagtt gttatattat tatatattat atatatatt atataata 60
 tattatatca tatatattat tatatataat atattatatt atatatatta ttatataata 120
 tattatatca tatatattat tatatataat atatatata tatattatta tatataatat 180
 atattatata tattattatg tataatatat atattatata ttatttatat atataaat 240
 tatataataa tatataatta attatacata tatacatata taagtataca tataatatat 300
 ttatatagta tatataaata tatatacaat atatttatat attatatatt atataaat 360
 atatacaata tatttatatt atatatatta tatatgatac atataatata tattatatat 420
 gatataaat atatatcata tatgatatat aacat 455

<210> 69

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(404)

<223> MAR of chromosome 1 genomic contig; 1970778..1971181

<400> 69

atataata tgtataatat ataatatata tcatatattg ttcatgtat attacatata 60
 atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 120
 atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 180
 atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 240

SEL PCT 012.ST25

atatgcatta tatattatat aatatataca catataatat atataattta tatatattta 300

tatatattta catttattat atatttatta tatataaata tatttttata tattacttat 360

atattatata taatatatat aatatatata ttatatataa tata 404

<210> 70

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(605)

<223> MAR of chromosome 1 genomic contig; 3562918..3563522

<400> 70

tatatatata aaatacatat atattatata tattatatat aatacatata ttatatatta 60

tatataatac acgtatataa tatataatat ataatacata taatatatat gatataatat 120

acataataa tatatgatat ataatacata tataatatat atgatatata atacatatat 180

aatatatatt atatataata catatataat atatattata tataatacat atataatata 240

tattatatat aatacatata taatatatat tatatataat acatatataa tatatattat 300

ataatacata tataatatat attatataat acatgtatat aatatatatt atatataata 360

catatatatt atataataca tgtatataat atatattata tataatacat atatattata 420

tattatatat taatatattt atataatagt aatatataat attaatatat tatatatatt 480

aatattatat ataatacata tattatatat aatataaata tatataatac atatataata 540

cacatattat atataataca tatattatat ataatatata tattatatat aatatatatg 600

taata

605

SEL PCT 012.ST25

<210> 71

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(317)

<223> MAR of chromosome 1 genomic contig; 189743..190059

<400> 71

tattttttat atttatatat tatatatatt ttatatgta atatattata tataaaatta 60

tataatttta ctacatatata tatataaaat tatataattt tactacatat aatatataaa 120

attatataat ttactatat ataatatata aaattatata attttatata taatatatat 180

tataatatat atttatgca atatataatta tatattatat tataatatat tgtatatattt 240

tgtatataaa atatataata tataatatat ttatagacaa taatatataa tataatatat 300

aaaattttat atataaa 317

<210> 72

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(522)

SEL PCT 012.ST25

<223> MAR of chromosome 1 genomic contig; 229111..229632

<400> 72

gatatatata tttatatata taaaagatat atattattta tatataaaga tatatattta 60

tatatataaa agatatatat ttttatata tataaaagat atatatttat atatatgata 120

tatattattt atatataaa aagatatata tttatatata tgatatatat ttttatata 180

taaaagatat atataaaaga tatatattat ttatatatat aaaagatata tatataaaag 240

atatatatta tttatatata taaatgatat atattattta tatataaaag atatatatta 300

tttatatata aaagatatat attatttata tatataaaag atatacatat aaaagatata 360

tatttatata taaaagatat atatatttat atataaaaga tacatatatt tatatatata 420

aaagatatat atatttttat atataaaata tatattatat atataaaaga tatatataaa 480

tatatataatc ttttatatat aaaagatata tataaatata ta 522

<210> 73

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1110)

<223> MAR of chromosome 1 genomic contig; 1138030..1139139

<400> 73

tatgtatgta tacataatat attatatatg tatattatgt atacataata tattatatat 60

gtatattatg tatacataat atattatata tgtatattat gtatacataa tatattatat 120

SEL PCT 012.ST25

attatatgta tattatgtat acataatata ttatatatta tatgtatatt atgtatacat 180
 aatatattat atattatag tatattatgt atacataata tattatatat tatatgtata 240
 ttatgtatac ataatatatt atatattata tgtatattat gtatacataa tatattatat 300
 attatatgta tattatgtat acataatata ttatatatta tatgtatatt atgtatacat 360
 aatatattat atattatag tatattatgt atacataata tattatatat tatatgtata 420
 ttatgtatac ataatatatt atatattata tgtatattat gtatacataa tatattatat 480
 attatatgta tattatgtat acataatatt tatatattat atgtatatta tgtatacata 540
 atatattata tattatagtg atattatgta tacataatat gtacacataa tatttatata 600
 ttatatgtat attatgtata cataatatt atatattata tgtatattat gtatacataa 660
 tatttatata ttatatgtat attatgtata cataatatt atatattata tgtatattat 720
 gtatacataa tatttatata ttatatgtat attatgtata cataatatat tatatattat 780
 atgtatatta tgtatacata atatattata tattatagtg atattatgta tacataatat 840
 attatatatt atagtatat tatgtataca taatattat atattatag tatattatgt 900
 atacataata tattatatat tatatgtata ttatgtatac ataatatatt atatattata 960
 tgtatattat gtatacataa tatattatat attatatag tatattatgt atacataata 1020
 tattatatat tatatagtg tattatgtat tatattatat attatgtata ttatagatta 1080
 tgtatgata cataatatgt attgtatatt 1110

<210> 74

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(521)

SEL PCT 012.ST25

<223> MAR of chromosome 1 genomic contig; 2863407..2863927

<400> 74

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aatatatata aatatataaa tatatatataa tataatatata tataaatata taaatatata   60
tatgtaaata tatgtaaata tatgtaaata tatgtatatg tatatatatg taaatgtatg   120
taaatatata taaatatatg taaatatata taaatatatg taaatatata aatatatata   180
actatatata aatatatata aatatataa tataaatata tataaatata tataaatata   240
taaataaata catataaata tataaataaa tacatatataa tatatatataa tatataaaaa   300
tatatatataa tatatatata aatatataaa catatatataa tatataaata tatataaata   360
tataaatata taaaatatat aaatatatat aaatatataa atatatatata atatagataa   420
atatagataa atatataaat atatataaat atataaatat agataaatat ataaatatat   480
aaatatataat atataaaaat atatataaat atataaaaat a                        521

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<210> 75

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(560)

<223> MAR of chromosome 1 genomic contig; 5712303..5712869

<400> 75

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atataattat atatattata tatattatat ataattatat attatatata atgtataatt   60
atatattata tataatatat ataaatatat atattttta tataaatata ttatatattt   120

```

SEL PCT 012.ST25

atatattata tataaattta tatatatataa ttttatata ttatatatat ttatatatta 180
 tatattgtat atatttatat attacatatt gtatatattt atatattata tattatatat 240
 ttatatatta tatatttat atttatatat tatatatatt atatatttat atatttatata 300
 taaattttt atatataata tataaatata tattatataa tataaatttg tatatataat 360
 atatatttat atttatata aaatatttat atttatata aaatataata taaatatata 420
 catataatat atatattata ttttataat tatatatatt atataataca tataatatat 480
 aatatataat acatatatat catatatgaa atatatatca tatattatac atatttatata 540
 taacatatat attatatatc 560

<210> 76

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(479)

<223> MAR of chromosome 1 genomic contig; 8578812..8579290

<400> 76

tatggtatac atatagtata tatggggtac atatatggta tatatatggg ttatatatat 60
 gatatatatt atatatgtat atggtatata tatggtatat atattatata tgcatatggt 120
 atgtatatgg tatatatatg atatatatcat atggtgtata tatatgttat atatgatata 180
 tataagggtat atatatggta tatataagggt atatatagta tatatatggt atatataagg 240
 tatatatftgt atatatatgg tatatataag gtatatatat tgtatatatg gtatatatat 300
 ggtttatata tatgggtgtgt atatatgggtg ttatatataca cactttatat actatatatt 360

SEL PCT 012.ST25

atatacacac tatatataat atatattata tatagttaaa tatatggtat atgcaattag 420

atatatggta tatgtaatta tatatatggt atatagatgg tgtatatatg gtatatata 479

<210> 77

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(477)

<223> MAR of chromosome 1 genomic contig; 8579294..8579770

<400> 77

tatagtatat atacacacta taggtaatat actacatatt atatacacac tataaataaa 60

atatataata tataatattt tctatatagt atatattata tattgtatat actatatata 120

atatatacta tagacagtag atactttata tactatagac agtatatact atatactgta 180

tacactatag acagtatata ctatatactg tatacagtat atgtagtgta tatgtagtgt 240

atataatata tagtatatat tatctatact atatacagta tatatagtgt atacataata 300

tatattatat attatatata ctatatacag tatacatagt gtatatgtag tgtataatat 360

atataatgtg tatataaaat atatatacta tatataatat atattatata taatatatac 420

actatatata ctatagatac actatatatt cactatatat actatatata ctatata 477

<210> 78

<211> 331

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(331)

<223> MAR of chromosome 1 genomic contig; 8580024..8580354

<400> 78

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actatatgtt atatacataa gatatagtat ataccatata ttatatacat tatatatagt   60
gtatactata tataatgtat ataatatata gtatatatac actatatata ctatgtatat   120
atacactata tatactatgt atatatacac tatatatact atgtatatat acactatata   180
tactatgtat atatacacta tatatactat gtatatatac actatatata ctatgtatat   240
atacactata tatactatgt atatatacac tatatatact atgtatatat agtgtatata   300
tactgtatat gttatagtgat atatatagta t                                331

```

<210> 79

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(410)

<223> MAR of chromosome 1 genomic contig; 8580705..8581114

<400> 79

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tatagtctat attatataca gtctatataa tatatagtat atactatata tacttttcct   60

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SEL PCT 012.ST25

cattctgact atatactata tatatactat atatagtata ttagtgtat atatacacca 120
 tatatactat atatagtata cataccatat atagtatact atacatacca tatatagtat 180
 acataccgta tatagtatac tatacttacc atatatagta tacatactat atataatata 240
 tctgggtgat atatacacta tatatactat atatactata tatagtatat gtacactatt 300
 tatagtattt atagtatata tactgtatat atagtatgta gtatatatac tatatattat 360
 gtagactata tataatatag actatgtgta gagtatatat actatatata 410

<210> 80

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(433)

<223> MAR of chromosome 1 genomic contig; 12979167..12979599

<400> 80

atatataata tatatatgtc ctatatataa aatatatcat atatataaat atatatgata 60
 tatfttatat attaaatata taattatata taaatatata tttatatata aatatattat 120
 ttcaatatat ataaatatat ttaaatatat ttaaataagaa tattaaatat ataaatatat 180
 aattatattt aatatataaa tatatattaa atatataatt atatttaata tatataaata 240
 tatattaaat atataattat atatttatat attfattata tataaatata tatttggtct 300
 aaataaatat atattctaaa tatataatat tttatattat ataatatata atataaaata 360
 tataataaat atataatata taaataaata aatatttatt ataaaataca tataaatatt 420
 aaatatatat taa 433

SEL PCT 012.ST25

<210> 81

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(385)

<223> MAR of chromosome 1 genomic contig; 16336644..16337028

<400> 81

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tttatataaa tatctatata aataaatata taaatatata aatataaata tatataaata   60
tataaataaa tatataaata tatataaata taaatatata tataactatg aatttatatt  120
tatataaata tatatctata tgaatataaa tatatattta tataaatata aatatatata  180
taaatatata tatttatata gatataaata tatatatataa tatatatatt tatatagata  240
taaatatata tctatatatg aatatatatc tataggaata taaatatata tctatataaa  300
tataaatata tataagtata aatatatata aatatatatc tatataaata taaatatata  360
tataaatata aatatatata taaat                                     385

```

<210> 82

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(363)

<223> MAR of chromosome 1 genomic contig; 20624448..20624810

<400> 82

tatatatata gttatatata tatttatata tatagttata tatatatatt tatatagtta 60

tatatatagt tatatatata gttatatata tatagttata tatatagtta tatatatagt 120

tatatatata tagttatata tatagttata tatatagtta tatatatagt tatatatata 180

tagttatata tatagttata tatatatagt tatatatata gttatatata tatagttata 240

tatatagtta tatatatagt tatatatata gttatatata tagttatata tatatagtta 300

tatatatata gttatatata tatagttata tatatagtta tatatatata gttatatata 360

tag 363

<210> 83

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(310)

<223> MAR of chromosome 1 genomic contig; 566025..566334

<400> 83

tatataaat atatattgta tatattatat attgtatata taatatatat tgtatatatt 60

atatattgta tatataaat atatgtatata tatttatatat tgtatatata atatatatat 120

tgtatatatt atatattgta tatataaat atatattgta tatattatat attgtatata 180

SEL PCT 012.ST25

taatatatat attgtatata ttatatattg tatatataat atatattg tatatattat 240

atattgtata tataatatat atattgtata tattatatat agtatattt atatagta 300

tatataatat 310

<210> 84

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1236)

<223> MAR of chromosome 1 genomic contig; 1171429..1172664

<400> 84

aaagtattat atgtattata tgtatatga ttatatatta catatgtatt atatataata 60

tatattatat attattatat attatatatt atatattatt atttatataa tgtattatat 120

attatatagt atatagta tatataatgt attatatatt atatagtata tatagtatat 180

ataatgtatt atatagta tatataatgt attatatagt atatatacta tataatgtat 240

tacattattat gtatagtata tgtaatgtat tatattat atagtatatg taatgtatta 300

tatgtattat atagtatata ttatatatga tgtattattt agtatatata atatatatga 360

tgtattatat aacatatata atatatatga tgtattatat agcatgtata gtatatatga 420

tgtattatat agcatgtata gtatatatga tgtattatat atagcatgta tagtatatat 480

gatgtattat atatagcatg tatagtatat atgatgtatt atatatagca tgtatagtat 540

atatgatga ttatatatag catgtatagt atatatgatg tattatatat agcatgtata 600

gtatatatga tgtattatat atagcatgta tagtatatat gatgtattat atatagcatg 660

SEL PCT 012.ST25

tatagtatat atgatgtatt atatatagca tgtatagtat atatgatga ttatatatag 720
 catgtatagt atatatgatg tattatatat agcatgtata gtatatatga tgtattatat 780
 attatatatg gtatatatga tgtattatat attatatatg gtatatatga tgtattatat 840
 attatatatg gtatatatga tgtattatat attatatata atatatatga tgtattatat 900
 attatatata atatatatga tgtattatat atgatgtatt atatataata tatatgatgt 960
 attatatata ttattatcta ttatatagca tgtattatat gcaagttatt atgtataata 1020
 tataatgtat tatatattat ataatgtata atatataaat atataaatat ataattatgt 1080
 ataaatatag aaatatatac attatacatt atatacatta taatgtataa tatataaata 1140
 tattatatat aaatgtatac attatatata aatatattat atacattata tataaaatat 1200
 gtatatagtt attatacctt atatatacta aacagt 1236

<210> 85

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 1925173..1925481

<400> 85

atatatttat ataaatatat ttatatataa tatatattat ataattattat aatatatgtt 60
 atattatata tattttatatac aatatataat atatattata tatattttat acaatatata 120
 atatatatta tatatatttt atataatata taatatatat tatatatatt ttatacaata 180
 tataatatat attatatatt atataatata tattatatat attttatata atatataata 240

SEL PCT 012.ST25

tatatttat acaatatata atgtatatca ttatattata taatgtatat catattatat 300
aatgtatat 309

<210> 86

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(312)

<223> MAR of chromosome 1 genomic contig; 4396756..4397067

<400> 86

cacagtgtat atatagtata tatactgtat atatactgtg tatatacact gtatatacac 60
agtgtatata cagtatatat actatatata cactgtgtat atatagtata tataaattct 120
aggaatatat atactatata tatactatat atataaattc taggaatata tacacactat 180
atatacacta tatatacaca tatatacact atatatatta tacacatata ttatatatat 240
acactatata tacacgagat atataacata tacactatat actatacata acatatatac 300
tatatatat at 312

<210> 87

<211> 398

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(398)

<223> MAR of chromosome 1 genomic contig; 56057..56454

<400> 87

atatatatta catattatat atataatata tattatataa tatatattat attatataat 60

atataatata aatataatat aaattatatt atataatata taatataaat ataataataa 120

ttatataaat ataatatata ttttattata taatataata tatattatat aaatataata 180

tataaattat ataataatat atatatata taatataata tattttatta tataaatata 240

tattatatta tataatatat attttattat ataatatata ttatatattt atagaatata 300

atatatattt tattatataa tatatattat ataatatata ttatatattt atataacata 360

tattattata taaaatatgt ataatatata ttatataa 398

<210> 88

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(391)

<223> MAR of chromosome 1 genomic contig; 56984..57374

<400> 88

tactataata catattatat ataattattat atactatata ttactatatt attatattat 60

atataattaa actatattat agtatataat atataatata tactatatgt aatattacta 120

SEL PCT 012.ST25

tgatactgat attatattat atataattaa attatattat attaatatat aaattatata 180
 taatacataa tatataaatt atattatatt atttatatat aatgtatgcc atataattta 240
 tatataatgc atttatatata atttatatat aatgcattaa atataaatta tatataatgc 300
 atttatatata atttatatata atgcattata tataatttat atttaatatata taaatttata 360
 tttaatatat ttatatatta tatataataa a 391

<210> 89

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 469547..469855

<400> 89

atatatatgt aatatatatg ttatatatgt aatatatatg ttatgttata tatgttatat 60
 atatgttata tataatatat atgttatata tacgttatat gttatatata tgttatatat 120
 aatatatgtt atatatatcgt tatatgttat atatgttata tataatatat gttatatata 180
 atatatgtta tatatgttat atataatatata tgttatatat atttatatata atatatgtta 240
 tatatattat atataatatata taatatatgt gatatatatat ataaaatatata tgtgatatat 300
 atttatatat 309

<210> 90

<211> 441

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(441)

<223> MAR of chromosome 1 genomic contig; 546190..546630

<400> 90

atacacaaca tatgtgtata tatatagtat atatacaca catatgtgta tatatatagt	60
atatatacac aatatatgtg tatatatata gtatatatac acaatatatg tgtatatata	120
gtataaatat atactatata tagtatatat agtataaata tatactatat atagtatata	180
catagtataa atatatata tatatagtat atacatagta taaatatata ctatatatag	240
tatatacata gtataaatat atactatata tagtatatac atagtataaa tatatactat	300
atatagtata tacatagtat aaatatatac tatatatagt atatacatag tataaatata	360
tactatatat agtatataca tagtataaat atatactata tatagtatat acatagtata	420
aatatatact atatatagta t	441

<210> 91

<211> 1367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1367)

<223> MAR of chromosome 1 genomic contig; 124643..126009

SEL PCT 012.ST25

<400> 91	
atatttatat gatataaat atatataa ttatatataa tattatatat gatataaac	60
attatataat attatatatg atatataffa tatatattat atatgatata taatatatat	120
aatatttat atgatattat atatcatata taatatataa aatatttat atgatatata	180
atatataata tattatatat attatatata ttatatatca tatataatat tctaaatata	240
taatattata tgatatataa gattatatatc attatatata atatataata ttatatatga	300
tatataatat tatatacat attatatata tataatgtat ataatttat atatttatata	360
tttatattat atacaatgta tataatatta tatatcatat atatttatat tatatacaat	420
gtatataata ttatatatca tatataatat tatatacaat gtatataata tatatttatat	480
atatttatat tatatacaat gtatataata tatatttatat atatttatat tatatacaat	540
gtatataata tatatttatat atatttatat tatatacaat gtatacaata ttatatatta	600
tatatttatat atttatatta tatacaatgt atatattata tattatatat ttattattata	660
tacaatgtat atatttatata ttatatattt atatttatata caatgtatat attatatatt	720
atatatttat attatatata atgtatatat tatatattat atatttatat tatatacaat	780
gtatatatta tatatttatat atttatatta tatataatgt atgtaattt atatattata	840
tatttatatt atatataatg tatgtaatat tatatattat atatttatat tatatataat	900
gtatgtaata ttatatatta tatatttata ttatatataa tgtatgtaat attatatatt	960
atatatttat attatatata atgtatgtaa tattatatat tatatattta tattatatat	1020
aatgtatgta atatttatata ttatatattt atatttatata taatgtatgt aatatttatat	1080
attatatatt tatatttatat ataatgtatg taatattata tattatatat ttattattata	1140
tataatgtat gtaatttat atatttatata ttatatatt atataatgta tgtaattatta	1200
tatatttatat atttatatta tatataatgt atataattt atatattata tatttatatt	1260
gtatataata ttatatatta tatatttata ttgtatataa tatatattat atatttatat	1320
tgatatataat attatatatt atatatttat attatatata atgtata	1367

SEL PCT 012.ST25

<210> 92

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(458)

<223> MAR of chromosome 1 genomic contig; 58908..59365

<400> 92

tatatgatata atagatata tatgggatata atagatata tatgatata atggatata	60
tatgatata agtatatag atatatatgg tatatatatg atatatagta tatatgatata	120
atatggatata tatgatata agtatatag atatatatgg tatatatggg atatatatga	180
tatatgatata atagatata tatgatata gatatatatg atatatatga tatatatggg	240
atatatgata tatatgggat atagggatata tatatgatata atagatata tatggatata	300
atatgatata tatgatata atggatata tatgatata atgatatata tggatata	360
atgatatata gatatatata ggtatatata gatatatata gatatatatc atatatatgg	420
tatatatatg atatatatga tatatatcat atatatgg	458

<210> 93

<211> 330

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(330)

<223> MAR of chromosome 1 genomic contig; 306867..307196

<400> 93

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ataatatata aatatatatg atatatatct atatatatca tatataaata tatatgatat   60
atatctatat atatcatata taaatatata tgatatataa atatatatga tatatatcta  120
tatatatcat atataaatat atatgatata taaatatata tgatatatat ctatatatat  180
catatataaa tatatatgat atatatctat atatcatata taaatatata tgatatatat  240
ctatatatat catatataaa tatatatgat atctatctat atatatcata tataaatata  300
tatgatatct atctatatat atcatatata                                     330

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<210> 94

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(353)

<223> MAR of chromosome 1 genomic contig; 636899..637251

<400> 94

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tatgtataca tatacacata tacgtatata tatacatata tacacatata cgtatatata   60
tacgtataca tacatatgta tatgtatagc tatacacaca tatgtatatg tatacgtata  120
cacacatata cgtatatatg tatacgtata cacacatata cgtatatgta tacatatata  180

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SEL PCT 012.ST25

tgtgtacata tacgtatata cgtatatgta tacatatata cgtttatgta tatatacgta 240

tatacgata tatgtatatg tatacatata tacatatatg tgtatatatg tatatacgta 300

tatgtgtata tatacaatat acatacatgc acatatatgt gtatatgcac ata 353

<210> 95

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(345)

<223> MAR of chromosome 1 genomic contig; 1435510..1435854

<400> 95

atcatatata ttatatatca tatatatgat atataaaaat tatatatcat atatatgata 60

tataaaaatt atatatatca tatataatat atataatata ttatatatat aaattatata 120

taatatatat aaattatata tatcatatat atgatatata atttatatat catatatatg 180

atatatataa tatattattt atatataata tatttatatat tatataatat gtaatatata 240

ttatatatta catattatat tattfataaa taatatttta taatatatat aatattatat 300

aatatagaat atttatattt atatattaca tattatataa tatat 345

<210> 96

<211> 521

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(521)

<223> MAR of chromosome 1 genomic contig; 39695..40215

<400> 96

tatatatata atagatatata tatatctatt atatctctat tatatatata atagatatata 60

tatatctatt atatataaa tagatattat atatctatta tatatataat agatattata 120

tatctattat atataatata tatctattat atattatata tctattatat ataatatata 180

tctattatat atattatata tctattatat atataataga tattatatat ctattatata 240

taatatatat ctattatata ttatatatct attatatata tgatctatt atatatatta 300

tgatctatt atatataata tatatctatt atatatatat tatatataat atatattata 360

tatattatat atctattata tataatatat atctattata tatattatat atctattata 420

tatattatat atctattata tataatatat atctattata tatattatat atctattata 480

tataatatat attatatata tattatatat tgatatctat t 521

<210> 97

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(484)

<223> MAR of chromosome 1 genomic contig; 1286007..1286490

SEL PCT 012.ST25

<400> 97

atatcatata tattatatat catatatatg atatataaaa attatatatc atatatatga 60
 tatatatata ttatatatat catatatatg atatataata tattatatat ataaattata 120
 tataatatta tatataaatt atatatcaca tatatgacat ataaattata tatcacatat 180
 atgatatata atttatatat cacatatatg atatataatt tatatatcat atatatgata 240
 tataatttat atatcatata tatgatatat aatttatata tcatatatat gatatatata 300
 atatattatt tatatatatt atattatata ttatatataa tgtaatatat attatatatt 360
 atataaatg taatatatat tatatattac atattatatt atttataaat aatattttat 420
 aatatatata atattatata atatagaata ttatatatta tatattacat attatataat 480
 atat 484

<210> 98

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(244)

<223> MAR of chromosome 1 genomic contig; 73556..73879

<400> 98

attatatatt atattatata atatataata atattatata attatatatt acattatata 60
 atatataata atattatata ataatatata attatataat atataataat attatataat 120
 attatataat attatataat atataaatat ataataatat atattatatt atataatagt 180
 atataattata ttatatataa tatgttatta tattatataa tataaactat tatataatat 240

SEL PCT 012.ST25
244

aata

<210> 99

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(463)

<223> MAR of chromosome 1 genomic contig; 179038..179500

<400> 99

tacaatatat ttctattat atatatttg tattatatat aatatacaat atatttcta 60

ttatatataa tatatttgt attatatata ttacaatata tttgtatta tataatatat 120

aatacaatat aatatattgt attatataat atataatact atataatata ttgtattata 180

tattatatat aatactatat aatatatttt attatatatt atatataata ctatataata 240

tattttatta tatattatat ataatacaat atataatata ttgtattata atacaatgta 300

ttataatgta ttatatataa tatataatac aatatataat attatatata ttatatata 360

tatatatttt gtattatata tttgtatta tatatatttt gtattatata ttatatattt 420

atattataat tatgttttgc attatatatt tcatattata tat 463

<210> 100

<211> 390

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(390)

<223> MAR of chromosome 1 genomic contig; 55617..56006

<400> 100

tgtataatat atatacttta tatataatat atatacttta tatatatata atataactaat 60

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atatatacta atatatatta tatatacttt atataatatata tactaatata tataatatat 180

atactttata tataatatat actaatatat ataattgata tactttatat ataatatata 240

ctaatatata atatatatac ttatatata atatatata atatatatta tatatacttt 300

atatatataa tatatacttta tatattatat atgcttatat ataatatata cactaatata 360

taatatatat actttatata ttatatatta 390

<210> 101

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(582)

<223> MAR of chromosome 2 genomic contig; 1157405..1157986

<400> 101

tgtatatgta tatatacaca tacgcacata tatgtatatg tatatatata catacgcaca 60

SEL PCT 012.ST25

tatatgtata tgtatatata cacatacgca catatatgta tatgtatatg tatatgtata 120
 tatacacata tacacatata tgta tatgta tatatacaca tatacacata tatgtatatg 180
 tatatatata catatacaca tata tgtata tgtatatata cacatacaca tatatgtata 240
 tgtatatgta tatatacaca tacacatata tgtatatgta tatgtatata tacacatata 300
 cacatatata catatatgta tacatatatg tgtatatata tacacatata tatacatata 360
 tgtatacata tatgtgtata tatacacata tatatacata tatacatata catatatatg 420
 tgtatgtata tatacacata tacatatata tgtatatgtg tatatatatt agacagatat 480
 atatgtacat atacatatat atgtatatgt atatgtatat gtatatgtat atgtatatgt 540
 atatgcatat ataatacaca tatacatata tgtatatgta ta 582

<210> 102

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(322)

<223> MAR of chromosome 2 genomic contig; 1858638..1858959

<400> 102

acaccatata tacaccatat atatacatat catatatata ccatatatat acataccata 60
 tatataccat atatatacat accatatata caccatatat atacatacca tatatatata 120
 ccatatatat acataccata tatataccat atatatacat accatatata taccatatat 180
 atacatacca tatatatata ccatatatat acataccata tatatacacc atatatatat 240
 ataccatata tataccatat atataccata tatatacacc atatatacac accatatata 300

SEL PCT 012.ST25

ccatatatat acaccatata ta

322

<210> 103

<211> 914

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(914)

<223> MAR of chromosome 2 genomic contig; 5712196..5713109

<400> 103

aaatatatat ttctatatata gaaaatatat attctatatata tatagaatat atatagaata 60

tatatttctat atatatttcta tatatataga atatatatat aaaacatata ttctatatat 120

aaaatatata ttctatatat ataaaatatata tatttctatat atatagaatg tatataaaat 180

atatatttcta tatatataga atgtatatata aatatatatt ctatatatat agaattgtata 240

taaaatatat attctatatata tatagaatgt atataaaata tatatttctat atatatagaa 300

tatatatataac atatatatga aatatatatata aaatatatat aaatacatat ttctatatat 360

aaatatatat aaatacatat ttctatatat aaatatatat caatacatat ttctatatat 420

aaatatatat aaatatatat tcatatatat aaaaatatat aaatatatat tcatatatat 480

aaaatatata tgaatatata ttctctatat ataaaatatata tataatatat attatatata 540

taaaatatat ataatatata ttatatatat aaaaatatata taatatatat tcatatatat 600

aaattatata taaatatata ttcatatatata taatatatat aaatatttat ttcatatatata 660

aaatatattt aaatatatat ttctatatag aatatatatt ctatatataa aatatatatata 720

taaatatatt ttctatatag aaatatatat gaaatatata gaatatatat aaatatatat 780

SEL PCT 012.ST25

tatatatact atatatacaa tatatattat atataaaata tatatacaat atatattcta 840

tatattaata tatagaatat atattaacat atatttcaat atattaatat atgaaatata 900

tataaatatt tcat 914

<210> 104

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

<223> MAR of chromosome 2 genomic contig; 5713613..5713982

<400> 104

tatttcatat ataatatata tataaaatat atatttcata tacataatat atataatata 60

aataaaatat atatttcata tatataatat atataatatata tataaaacat atatttcata 120

tataatatat ataaactata tatttcatat ataatatata taaactatat atttcatatata 180

cataatatat ataatatata ttcatattat attatatata taatatatat ttcatatata 240

taatatataa aatagatatata aatatatata aatatatatatt tcatatatata tatatatataa 300

atatatatata atatatatatt tatatatata atatatattt catatatataa tataaaaaaa 360

tatatatttc 370

<210> 105

<211> 442

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(442)

<223> MAR of chromosome 2 genomic contig; 7481647..7482088

<400> 105

atataaatta tataatatgt tatataatat ataaatatat tatataacat gttatataat 60

atataacatg ttatataata tataacatgt tatataatat ataacatgtt atataatata 120

taacatgtta tataatatat tatgtaatat gttatataat atataatata ttatataaca 180

tgttatataa tatataacat gttatataat atgttatata atatataaat atattatatt 240

atatgttata taatatataa atatattata ttatatgtta tataatatat aaatatatta 300

tattatatgt tatataatat ataaatatat tatattgtat gttatataat atataaatat 360

attatatgtt atgttatata atatataaat atattatatt gtatgttata taatatataa 420

atatattata ttatatatgt ta 442

<210> 106

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(338)

<223> MAR of chromosome 2 genomic contig; 9594557..9594894

SEL PCT 012.ST25

<400> 106

tatataaata tataccatat atataaatat atatattcca tatataaata tatatattcc 60
 atatataaa atatatatat tccatatata aatatatata ttccatatat ataaatatat 120
 atataaatat atatattcca tatatataaa tatatatata aatatatata ttccatatata 180
 aatatatata tattccatat ataaaaatat atatatatcc catatatataa aatatatata 240
 tattccatat atataaatat atatatatcc catatatata aatatatata tattccatat 300
 atataaatat atatatatcc catatatata aatatata 338

<210> 107

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(364)

<223> MAR of chromosome 2 genomic contig; 10519720..10520083

<400> 107

ttatatatat ttataaat atataaagc tatatatatt tatatataat atattatata 60
 tattagctat atatatttat ataataatat attatatatt agctatatat atttatatat 120
 aataatatat ataagctata ttttatata tattatatat tagctatata ttttatata 180
 taatatatta tatattagct atatatttat atataataaa taatatatat attagctata 240
 tatatttata tataataata tatataagct atatatttat atataatata ttatatatta 300
 gctatatata ttatatata ataatatatt atatattagc tatatatatt tatatataat 360
 atat 364

SEL PCT 012.ST25

<210> 108

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(342)

<223> MAR of chromosome 2 genomic contig; 11481943..11482284

<400> 108

tacatataat atataattat atataatata tattatatat tacatatata atatatatat 60

tacatatgta atatatatat tatatatgta atatatatta tatatgtaat atatatatta 120

tatatgtaat atatattata tatatgtaat atatatatta tatatgtaat atatatatta 180

tatgtaatat atatatgtaa tatatatata atatatatgt aatatatata taatatatat 240

gtaatatata tataatatat atgtaatatata tatattatat atatgtaata tatatcatat 300

atatgtaata tatatcatat atatgtaata tatatcatat at 342

<210> 109

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(415)

SEL PCT 012.ST25

<223> MAR of chromosome 2 genomic contig; 13499598..13500012

i

<400> 109

tatatatata tatatatata atataatata atatatatat aaatatatat aatataaatt 60

tatatatata tatttatata tacatatata aatatatatt tatatttata tataaatata 120

tataaatata tataaatata tatttatata tacatatata aatatatatg ttcatataaa 180

tatatatgta tatatacata tataaatata tatttatatat gtatatatat aatataatat 240

ataataataa tataatatat attatataaa tataatatat tatatataat atatataata 300

tataatatat aatatataat atataatata tatttatatat tatataatat ataaaatata 360

tatttatataa tatatataca taatatatat aaataaatat atataaagat ataaa 415

<210> 110

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(330)

<223> MAR of chromosome 2 genomic contig; 16370976..16371305

<400> 110

catttacata tgtatgtata agtatgtata ttacatactt atacatacat acttataaat 60

atataagtat aatacatata tacttataaa tatataagta taatacatat atacttatac 120

atatataagt ataatacata cataacttata catatataag tataatacat acataacttat 180

acatatataa gtataatata tacatactta tacatataag tataatacat acataacttat 240

SEL PCT 012.ST25

acatatataa gtataataca tacataactta tacatatata agtataatac ata cttatta 300

catatgtata taagtatatt acataacttat 330

<210> 111

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(702)

<223> MAR of chromosome 2 genomic contig; 626641..627342

<400> 111

tatatataca catatacata tataatatat atacatatat atatatatta tatatacata 60

tatattacat atatcatata tacatatata ttatatatac atatatatta tatatatcat 120

atatacatat atatattata tattatatat atcatatata catatatatt atatatatta 180

tatatatcat atatacatat atattatata tattatatat acatatatat tatatatatc 240

atataaacat atatattata tatatcatat atacatatat attatatata ttatatatat 300

catatatata tatatattat atatatcata tataatatat attatatata ttatatataa 360

tatatattat atatacatat atattatata tacatatata ttatatatac atatatatta 420

tatatacata tatattatat atacatatat attatatata tacatatata ttatatatac 480

atatatatta tatatacata tattatatat acatatatat tatatatata tatattatat 540

atatacatat atattatata tacatatatt atatatatac atatatatta tatatacata 600

tattatatat atacatatat attatatata catatatatt atatacatat atattatata 660

tacatatata ttatatatat atataatata tttttatat at 702

SEL PCT 012.ST25

<210> 112

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(679)

<223> MAR of chromosome 2 genomic contig; 3196047..3196725

<400> 112

atatattata tattcatata tcataaatat atatattata tattcatata ttatatatct 60

atatatttat atattcatat attatataatc tatatattta tatattcata tatttatatat 120

ctatttatat attcatatat tatatatcta tatattttat atattcgtat attatataatc 180

tatatattat atattcgtat attatataatc tatatattat gtattcatat atatctatat 240

attatataata ttcatatata ttataaatta tattcatata gtatatatct attataaatg 300

tatattcata tagtatatat ctatatatta taaatataca tatattatat atttatatat 360

tatatattca tatagatcta tatattatat atattcatat atgaatatat atatttatatg 420

tatatatatt ataaatatat ttatatagta tagatattat atagtatatg catatttata 480

ttataaataa ttacatagt atagtatat ttataaatta tatatattta catattacat 540

gtatatttat atattataaa tacatattta catattataa atatatttat atattatgaa 600

tataatttat atattattac atatttacet atagcatag ttatatatta taaatatgca 660

tttatgtaaa tatatattt 679

<210> 113

<211> 728

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(728)

<223> MAR of chromosome 2 genomic contig; 3196778..3197505

<400> 113

tacataaata tatatttaca atatgtaaat atctgatatg taaatatgta ttataaatat	60
ataaatatac atataaatatg taaatatata aatatacata tactatgtaa atatatgta	120
tatatacata tactatataa atatagaata tataaatata catatactat ataaatatgt	180
aatatataaa tatatactat ataaatatac atatactata taaatgtatt tataatatat	240
aaatatacat atactatata aattcatata tgaatatata atatataaat atatataata	300
tatgaatata tactcatata taaatatata tgaatatata ttataaatat atagatataa	360
tatgaatata tatttataat atatagatat atatttatg aatatatatt tataatatat	420
agatatatac catatgaata tatattatac actatatgaa tatatattta taatatataa	480
atagatatat actatatgaa tatataatat atatactcta tgaatatata atatatatac	540
tatatgaata tattatatac tgtatgaata tataatatat agatgtatac tatatgaata	600
tataatatat agatatatat actatatgaa tatatataat atatagatat atactatatg	660
aatatatatg atatatagat atatactata tgaatatata atatatagat atatatttat	720
gatatatg	728

<210> 114

<211> 413

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(413)

<223> MAR of chromosome 2 genomic contig; 2560638..2561050

<400> 114

atataaatat atatttatat attttatata aatatatata tttatatatt tttatataaa 60

tatatatatt tatatatatt tatataaata tatatatatta tatatatatta tataaatata 120

taaatatata ttttatata aatatataaa atataaaat atatttatat aaatatataa 180

aaatatataa tatatttata taaatatata aaatatataa atatatttat atataaatat 240

ataaaatata taaatatcctt tatatatataa tatataaaat atataaatat ctttatatat 300

aaatatataa aatatataaa tatatttata tataaatata taaaatatat aaatatattt 360

atatacaaat atataaaaata tataaatata tttatatata aatatataaa ata 413

<210> 115

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(361)

<223> MAR of chromosome 2 genomic contig; 4965309..4965669

SEL PCT 012.ST25

<400> 115
 tatacgtata tatacatata tatacgtata tatatacata tatatacgta tatatacata 60
 tgtatatatg tgtgtacatg tatatatata catatgtaca tatatatgta cacatatata 120
 tatacatata tatgtacaca tatacatata tatgtacaca tatacatata catatatatg 180
 tacacatata tatacatata tatgtacaca catatatata catatatatg tacacacata 240
 tatacgtata tatgtacaca catatatatg tatatatatg tacacacata tatacgtata 300
 tatatgtaca cacatatata tacgtatata tatgtacaca tatatatata cgtatatata 360
 t 361

<210> 116
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_binding
 <222> (1)..(325)
 <223> MAR of chromosome 2 genomic contig; 5258150..5258474

<400> 116
 tacacacaca tatacatata tacatatata cgtgtatacg tatacgtata tacgtatata 60
 tacatatatg tatacgtata cgtatatatg tatatatata tatatgtata cgtatacgta 120
 tatacgtata tatacatata tgtatacgta tacgtatata cgtatatata catatatgta 180
 tacgtatacg tatatacgta tatatacata catatgtata cgtatacgta tatatgtata 240
 tatacgtata tgtatacgta tacatatata cgtatatata cgtatatgta tatgtatata 300
 cgtatatgta tatatgtaca tatac 325

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<210> 117

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1508)

<223> MAR of chromosome 2 genomic contig; 6057499..6059006

<400> 117

atataatata tataaattat ataatatata aaaattaata tataatatat ataaattata 60
 taatatataa attaattata taatatatat aaattatata atatataaat taattatata 120
 atatataata attatataat acatatataat taattatata atatataaat tatataatat 180
 atacaaatta tatactatat taattatata ttatatataatt aattatataa tatatataaa 240
 ttatatatta ttaaattaat tatataatat ataaattata taatatataa attaattata 300
 taatatataa attatataat atataaatta attatataat atataaatta tataatatat 360
 aaattaattg tataatatat aaattaatta tataatatat aatatataat taataaataa 420
 ttatatatta attatataat taataaataa ataataaata tatataatta atatataata 480
 tacatcatat atacacata tagattatat aatagttata tattatataa taaattatat 540
 ataatatata ataaacatat ataacatatg ttatatatta cataatatag tataatatat 600
 aacatatggt atatattaca taatatagta taatatataa catgttatat attacataat 660
 atagtataat atataacata tgttatatat tacataatat agtataatat ataacatatg 720
 ttatatatta cataatatag tataatatat aacatatggt atatattaca taatatagta 780
 taatatataa catatgttat atattacata atatagtata atatataaca tatgttatat 840

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attacataat atagtataat atataacata tggatatat tacataatat agtataatat 900
 ataacatatg ttatatatta cataatatag tataatatat aacatatgtt atatattaca 960
 taatatagta taatatataa catatgttat atattacata atatagtata atatataaca 1020
 tatgttatat attacataat atagtataat atataacata tggatatat tacataatat 1080
 agtataatat ataacatatg ttatatatta cataatatag tataatatat aacatatgtt 1140
 atatattaca taatatagta taatatataa catgttatat attacataat atagtataat 1200
 atataacata tgctatatat tacataatat agtataatat atatgttata tattacataa 1260
 tatagtataa tatataacat atgttatata ttacatatata tagtataata tatatgttat 1320
 atattatata atatagtata atatataatg tatgttatat attatataat atagtataat 1380
 atataacatg ttatatatta tataatatag tataatatat atgttatata ttatataata 1440
 tagtataata tataatatat gttatatatt atataatata gtataatata tatgttatat 1500
 attatata 1508

<210> 118

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(415)

<223> MAR of chromosome 2 genomic contig; 7996866..7997280

<400> 118

caattatata atatacatat tatataattg tataaattat acaatcatat aattatatta 60
 tatataatat acatataata taattatata taattatata atttataat ataattatat 120

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ataattatat aattatatat aatatatatt ataattatat atataatata tatattatat 180
 atattatata taatatataa ataatatata taatatatat ataattatat ataataatat 240
 atgtaatata tataatatat atataatata ttatttataa ttatatatta tatatatatt 300
 ataatatata taattataaa taatatatat tataatatat ataataatat atatataatt 360
 atatataata atatatatta taattatata taataatata tataatttat ataatt 415

<210> 119

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(526)

<223> MAR of chromosome 2 genomic contig; 8300930..8301455

<400> 119

tatatcatat gatatttat acaatatatc atataatgat atatattata tgatatattg 60
 facaatatat catatgatat atgatatatt atacaatata tcatataagg tatatttat 120
 atcatatata atatataata taatatatga tataatatat gatatatgat atataatata 180
 tgatatatga tatatgatat ataatatatg atatatgata tatgatatat aatatatgat 240
 atatgatata tgatatataa tatatgatat atgatatatg atatgatata tgatatatga 300
 tataatatat gatataatat atgatatata ttatatgata tataatatat gatataattt 360
 atatgatata taatatatga tatataatat ataatatatg atatgatata tattatatca 420
 tatataatat ataatatatat atatgatata tattatatat ttatatatat tatatatata 480
 aatatataa caatatataa tattatgtgt ataatatata ttacatt 526

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<210> 120

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(402)

<223> MAR of chromosome 2 genomic contig; 8576553..8576954

<400> 120

atgtatatta tataacaatat agtatatcat atatagtata tattatatag taatgtatta 60

tatataatgt ataatgtata aatatataat atatactaca tactatacta ttatatatac 120

tatatattat atagtatata tactatatat aatatgctat atattatact atataaatg 180

ctatatatta tactatataa tatgctatat attatactat ataatatgct atatattata 240

ctatataata tgctatatat tatactatat aatatactat ataatatgct atatattata 300

ctatataata tactatatat tatactatat aatatactat ataacatact atatattata 360

tatgatacat atactatatt acatatataa tatatatata ta 402

<210> 121

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

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<222> (1)..(477)

<223> MAR of chromosome 2 genomic contig; 8785649..8786125

<400> 121

tatttatata tatatttata tatatatatta tatatatatta tatatatatt tatatatata 60

tttatatata tatttatata ttatatata tatattttta tatatttata tatatatatta 120

tatatttata tatatttata ttatatata tatttatata tatttatata tatttatata 180

tatatatatta tatatatatta tatatatata ttatatata ttatatata ttatatata 240

tatttatata tatatttata tatatatattca tatatatatta tatatatatt catatatatt 300

tatatatata ttcatatata ttatatata tatttatata tatatttata tatatttata 360

tatatttata tatatatatta tatatatatt tatatatata tatttatata tatatttata 420

tatatatatt tatatatata ttatatata tatatttata tatatatatta tatatat 477

<210> 122

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(773)

<223> MAR of chromosome 2 genomic contig; 10064737..10065509

<400> 122

atattatata tattacatat atatttatatt gtatataata tatatatatt atgtatata 60

atatatatat tatattgtat ataatatata tatttatattg tatataatat atatattata 120

SEL PCT 012.ST25

ttgtatataa tatattatat tgtatatatt atattgtata tattatattg tataacaatat 180
 atattatatt gtatacaata tatattatat tgtatataat atattatatt gtatataata 240
 tattatattg tatatattat attgtatata atatattata ttgtatataa tatattatat 300
 tgtatatatt atattgtata taatatatta tatgtatata atatagtgtata tactatatta 360
 tataatatat attatataca atatataata tattgtatat catatatgat atattgtata 420
 taatatataa tatatgatat attgtatata atatattata tatgatatat tgtatattat 480
 atattatata tgatatattg tatattatat attatattat gtatattgta tattatatat 540
 tatatattgt atataaatg ttatatattg tatataatat gttatatatt atatattgta 600
 tatatgttat atattatgta ttgtatataa tatgttatat attatattat gtatataatg 660
 tattatatat tatatatatt atatattgta tataatgta tatatattgt atattatata 720
 ttatatattg tatataatat attatataca ttatattata tattatatat tgt 773

<210> 123

<211> 1554

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1554)

<223> MAR of chromosome 2 genomic contig; 1039775..1041328

<400> 123

ataatatatt aaatgtatat ataatatatt aaatataaat atatttataa tatataaata 60
 ttatataaaa tataaaatat atattaaata taaatatata taaaatatat attaaatatata 120
 taaaatataa atatatatta aatatatatt aaatatataa aatataaata tatattaaat 180

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atattttaa tatataaa ataaatat ataaatat tttaaatat ataaatat	240
aatatatatt aatatatt taaatatatt aatataa atatatatta aatatatt	300
atatatata aatatata atataaat atattaa tatataaa atatatgta	360
aatatata agatatata aatatata tatattaa atatatata tatatatata	420
ttaaatat atattaa taaatatata taaatatata atatatgtat taaatatata	480
tattaaatat aatatatgt ataaatat tattaaatat gaatatatgt ataaatat	540
tattaaatat aatatatgt atatatata tagaatata atatatgtat taaatatgt	600
atattaa taaatatata taaatatat ataaatatg aatatatata aatatatat	660
atataaa tatataatat aatatatat aaatatata tattaaaa atatatata	720
taaatatata taaatatat atattaaaa tatatatata atatatatat taaatatata	780
tataaaatat atattaaaa aatatatata aatatatat atataaa tatattaa	840
ataatatat atattaaaa tatattata atataact atattaa tatattaa	900
ataactat ataaatat tattaaatat aatatatat taaatatata taaatatata	960
ctatatatta aatatatt aatatata atattaaa tatattata atataact	1020
atattaa tatattaa ataatatat ataaatat tattaaatat aatatatat	1080
taaatatata tgaaatat ctatatatta aatatatt aatatata atatatatta	1140
aatataata tatgtctaa atatatatta aatatata tatgtattaa atatatatta	1200
aatataata tgtgtattaa atatatatta aatatata tgtgtattaa atatatatta	1260
aatataata tgtgtattaa atatatatta aatatata tgtgtattaa atatatatat	1320
taaataaaa tatatgtatt aatatatat taaataaaa tatattata atatatatat	1380
taaataaaa tatattata atataatat atattaaa tatatatatt aatataa	1440
atatatata tatatatatt aatataa ataatata aatatatt aatataa	1500
acatatatta aatatatga taaatatat atataaa tatgtattaa atat	1554

<210> 124

<211> 650

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(650)

<223> MAR of chromosome 2 genomic contig; 3944813..3945462

<400> 124

catgatatat tatgtataat atatattata gattacatat aaattatata tataatatat 60
aattatataa tatataatat tatataatat attatatata ttatacaatt atataatata 120
tataatatac aattatataa tatataatat acaattatat aatatataat acaatataat 180
atatatttaa tatattatat aatacatatt taatatatta tatattatat gttatatact 240
aaatatataa tatgtattta atatatacta ttatatatgt aatatattat ataatttatg 300
taacatatta tatattatat atgcaatata ttacatgtta catatatatt acatataata 360
tatgtaatat ataatataca ctatattatt atagtatata atatactata ttatgtaatt 420
atataatata gtatattata cactatatta tattatcata taattatata ttatatacta 480
tattacatat atattatgta atataatatg caatatgtta catatataat atatatgtat 540
tatatagtat atatactata gtatatataa aatatatgct ataatatata ttttatatat 600
tatataatac atataatgta tcatatatta tatataatat attttataat 650

<210> 125

<211> 441

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(441)

<223> MAR of chromosome 2 genomic contig; 5314265..5314705

<400> 125

tataaatata tatgaaatat atataaatta tatataaatt atatatacat atataaatta 60

tatataaatt atatataaat tatatatata tatataaatt atatattata tataaaattg 120

tatatattta tatataaatt gtatatataa ttatatata aattgtatat ataatttata 180

tatacaatgt atatattaat ttatatatac attgtatata taatttatat atacattgta 240

tatacaattt atatatacat tgtatatata atttatatat acattgtata tacaatttat 300

atataaatta tattatttat atatatgata tataaatata tatactatat ataaattata 360

tatttattta tatattatat tatttatata taaatttat attatttata tatacattat 420

atataaatta tatattattt a 441

<210> 126

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1169)

<223> MAR of chromosome 2 genomic contig; 5953971..5955139

<400> 126

SEL PCT 012.ST25

atgtattcat attatatatt tatatatataa taatatatcat tcatattata tatttatata	60
taaataatat atattcatat tatatattta tatataaata tataatatat ttatgtataa	120
ataatatata tattcatatt atataattct atataaataa tatatatatt catattatat	180
atttatatat aaatatataa tatatttata tataaatata taatatattt atatataata	240
tatatattca tatttatatat ttatatataa atatataata tatttatata taaataatat	300
atatattcat attatatatt tatatatataa taatatatat tcatattata tatttatata	360
taaataatat atattcatat tatatactta tatataaata atatatattc atatttatata	420
cttatatata aatatatat attcatatta tatatttata taaaaataat atatattcat	480
attatatatt tatatataat atatatattc atatttatata ttatatatt ctatatattc	540
atatttatata ttatatata aataatgtat attcatatta tatatttata tataaataat	600
gtatatattcat attatatatt tatatatataa tatatatcca tatttatatat ttatatataa	660
atatatattc atatttatata ttatatata aatatatatatt catatttatat atttatataa	720
aatatatata ttcatattat atttatatat aaatatatat attcatatat atattttatat	780
ataatatata tattcatatt atataattat atataatata tatattcata ttatatattt	840
atatataaat aatatatata ttcatattat atattttatat ataaataatg tatattcata	900
ttatatattt atatataaat aatgtatatt catatttatat atttatatat aaatatatat	960
attcatatta tatatttgta tataaatata tattcatatt atatatttgt atatatattc	1020
atatatatatt atatataaat atataatatt catatttatat ataaatatat atattcatat	1080
tatatattta tatatatataa taatatatat tcatattatt tatatatata aatatatat	1140
attcatatta ttatatata taaataata	1169

<210> 127

<211> 653

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(653)

<223> MAR of chromosome 2 genomic contig; 6427669..6428321

<400> 127

tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg	60
tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg	120
tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg	180
tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatacatgtg	240
tacatgtgta tacatatatg tatacatgtg tacatgtgta tacatatatg tatacatgtg	300
tacatgtgta tacatatatg tatatatgtg tatacatata tgtatatatg tgtatatatg	360
tatacatata tgtatataag tgtatatatg tgtatatgta tataagtgtg tataatgtgta	420
tatgtatata agtgtatata tgtgtatatg tatataagtg tatatatgtg tatatatgta	480
tacatatatg tatatatgtg tatatatgtg tatatgtata taagtgtata tatgtgtata	540
tatgtatata tatatatgtg tatatatgta tacatatatg tatatatgtg tatatatgta	600
tacatatatg taaatgtg tatatatgtg tatatgtata taagtgtata tat	653

<210> 128

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(414)

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<223> MAR of chromosome 2 genomic contig; 10890453..10890866

<400> 128

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tatattttgt aaatatatat atagtaaata tatgtaaata tatatatttt gtaaatatat   60
atatattttg taaatatatg taaatatata tattttgtaa atatatgtaa atatatatat   120
tttgtaaata tatgtaaata tatatatttt gtaaatatat gtaaatatat atattttgta   180
aatatatgta aatatatata ttttgtaaat ttatgtaaat atatatattt tgtaaatata   240
tgtaaatata tatatatttt gtaaatatat atacatatat attttgtaaa tatataaaca   300
tatatatttt ataaatatat ttataaatat atatatgtga aatatattta taaatatatt   360
tataatatat atattgtaaa tatgtttata aatatatata ttgtatatat aaat       414
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<210> 129

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(496)

<223> MAR of chromosome 2 genomic contig; 13952568..13953063

<400> 129

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taatatacat attatatatt atatatgtga tatataatat acatattata tattatatat   60
tgtatatata atatacatat tatatattat atattgtata tataatatac atattatata   120
ttatatattg tatatataat atacatatta tatattatat attgtatata taatatacat   180
attatatatt atatatgtga tatataatat acatattata tattatatat tgtatatata   240
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atatacatat tatatattat atattgtata tataatatac atattatata ttatatattg 300
 tatatataat atacatatta tatattatat attgtatata taatatacat attatatatt 360
 atatattgta tatataatat acatattata tattatatat tgtatatata atatacatat 420
 tatatattat atattgtata tataatatac atattatata ttatatattg tatatataat 480
 atacatatta tatatt 496

<210> 130

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(317)

<223> MAR of chromosome 2 genomic contig; 16942865..16943181

<400> 130

tctcctagta gttatatata tatatatgtg tatatatata taccctagta gatatatata 60
 tatatatatc ctagtagata tatatatata tatatcctag tagatatata tatatatata 120
 tcctagtagt tatatatata tatatatcct aacagttata tatatatata tcctagtagt 180
 tatatatata tatatcctag tagttatata tatatatata tcctagtagt tatatatata 240
 tatatcctag tagttatata tatatatatc ctagtagtta tatatatata ttatatatta 300
 tataatatat atataat 317

<210> 131

<211> 464

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(464)

<223> MAR of chromosome 2 genomic contig; 17217049..17217512

<400> 131

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acatactata tatatacaca tactatatat actatataca gtatatagta tacatatact   60
atacatatac atatactata catatacata tacatatact aagtatacgt atatacagta  120
catagtatat gtatactata tagtatgtat atatagcata tagtatgcgt atactctata  180
tagcatatag tatgcatata cgctatatag catatagtat gcatatacta tatatagtat  240
agagtatgcg tatactatat atatagtata gagtatgcgt atactatata tatagtatag  300
agtatgcgta tactatatat atagtataga gtatgcgtat actatatata tagtatagag  360
tatgcgtata ctatatatat agtatagagt atgcgtatac tatatatata gtatagagta  420
tgcgtatact atatatatag tatagagtat gtatatatat agta                    464

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<210> 132

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(430)

<223> MAR of chromosome 2 genomic contig; 19647266..19647695

SEL PCT 012.ST25

<400> 132

tgtaaata tgtaaata tatttatatt atatattata taaaaata atatataata 60

tataatat aaactatata ttaataaat atatataaac tattatataa atacatatta 120

aatatattat attttaata ttatatatt aaatataata tatatttaatt atttatatat 180

taaatatata atatatttaa tatttatata atatataagca tttttatat ttatattata 240

tataacattt tatatttata ttatatatta tatatatatta atttatattt atatttatatt 300

tatatttata ttatatataa cataattata tatattttca tattgtatat aataaagaaa 360

tgtatatttg ttatatataa tatatatatt ataatttatt atatattata taatatatat 420

tatataatat 430

<210> 133

<211> 2131

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2131)

<223> MAR of chromosome 2 genomic contig; 20481223..20483353

<400> 133

tatatatata tatatttata ttaatatatt atttatataa atatattttt atataaatat 60

atatttaata taaatatctt tatatttaatt atatatttaa tataaatatc ttatatatta 120

atatatatatt atatataaat atatatttat atttaatatata tattaatatatt taatatatcgt 180

ttatatttaa tatatatattc tatataaata tatttatatt aacatatatt tatatatataa 240

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tatatattata tttaatatat ttacatatata atatatttat atgtaatat tttacatatata	300
aatatatatta tatttaatat atagcatat gtaaatatat ttatatatta taatatattat	360
atataaatat atttatatt aataatatt atatataaat atatttatat ttaatatata	420
ttaaatatat atttatatt aatatatatt aatatttaaat atatatttat atttaatatata	480
tatttatatat aaacatatat ttatatatta tatatatatt atataaacat atatttatat	540
ttatatata ttatatataa acatatattt atatttaata tatatttata tttaatatat	600
tatatataaa catatatatta tatttaatat atatttatat taaatatata ttatatataa	660
acatatattt atatttaata tatatttata ttaaatatat atttatatt aatatatata	720
tattaaatat atatttatat ttaatatata ttatatatta atatattt atattaaata	780
tatttatatt taatatatat ttatataaa tatatatata atatttaata tatatttata	840
ttaatatat acatatatat ttatatatta tatatacata tatatttata tttaatatat	900
acatatatat ttatatatta tatatacata tatatttata tttaatatat aaatttatat	960
ttatatata taaaaatata tatttatatt taatatatat aaatatatat ttatatatta	1020
tatatatatt tatattgaat atatacataa atatattt atatttaata tataaacata	1080
tatttatatt tatatatata atatattt atatttaata tataaatata tatttatatt	1140
taatatattt atatatacta atatattt atttaatata ttatatata gatatatatta	1200
tatttaatat atttatgtt attaatatat ttatatatta tatatttata tattaatatata	1260
ttatatattt atatttatat attaatatat ttatatatta tatttatatt ttatatatt	1320
atatattaat atatttatat ttatatatat ttatatatat taataaatt atatttata	1380
tatttatata ttaataaatt tatattttat acagtatat aaatatatt atatttata	1440
cagtatatata aatatattta tatttatag ttatataaat atatttatat ttatacagt	1500
tatataaata tatttatatt ttatacagtt atataaatat atttatatt tatacagttat	1560
tataaatata ttatatattt atacagttat ataaatatat ttatatatta tacagttata	1620
taaatatatt tatattttat acagtatat aaatatatt atatttata cagtatatata	1680
aatatatatta tatttatatac agttatatata atatattt atttatata gttatatataa	1740

SEL PCT 012.ST25

tatatttatg tttatacat ttatataaat atatttatat ttatacatt tgtatttaat 1800
 atatatttat atataaatat atttatatt taatatatt atatataaat atatattgat 1860
 attaatata ttttatata taaatatata ttgatattta atagtattat atataaatat 1920
 atatttatat ttaatatata tgtttatata tcaatatata ttatatattta atatatttt 1980
 acatataaat atatatttat attgatata ttttatatt tgatatatat ttatatata 2040
 ttaatatatt tacattgat atatatttta tatatattaa tatatttaca ttgatatat 2100
 attttatata tattaatata ttacatttg a 2131

<210> 134

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(842)

<223> MAR of chromosome 2 genomic contig; 20483478..20484319

<400> 134

tatatattta tgtttaatat atatttatag ataaatatat atttacgttt aatatatatt 60
 tatagataaa tatatattta cgtttaatat atatttatct ataaatatat ttacgtttta 120
 tatatattta tatattaata ttttatggt taatatatat ttatatatat taatatattt 180
 atgtttaata tatatttata tattaatata ttatgttta atatatttat atatattaat 240
 atatttatgt ttaatatata ttatatggt aatatattta ggtatatata ttttatatg 300
 ttaatatata ttatatattaa tatatttat ttatatataa agtatatat aatatataaa 360
 tattatataa attatttat agtattttta tatatattta tatataaatt ttatatattt 420

SEL PCT 012.ST25

tatatatata aatatatatt tatatatata tttatatat aaatatatat ttatatatac 480
 attatatata taaatatata ttttatatt ttatatataa atatatatat ttatatatac 540
 atttatatata ttttatatat gtaaatatat atataaattt tatatatgtt atatatatatt 600
 ataaatttta tatatatatt tatatatata atatatatata tatatatataa tttatatat 660
 attatatata tttatattt atatattata ttttattta tatatattta tatgttatat 720
 atatttatat ttatatatt ttttattta tatattttat atatatatatt atatatgtat 780
 attatatata ttatatatta tataatatat tatatatatt atattatata tttatattat 840
 at 842

<210> 135

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(645)

<223> MAR of chromosome 2 genomic contig; 20897566..20898210

<400> 135

gtatatattt attatatatt atataatata tatttatatat taataaatta tatataatat 60

aatatatatg tatatttata ttatgttat aatatacata taattatata tgtatgtata 120

catgtatata tatacgata tgtgtatatg tatacatata ggtatatgtg tacatgtata 180

catataggta tatgtatatg tatacatgta tacatataat ataattacat atgtatgtat 240

acatacatat gtaattatat tatatatgta tatgtatatatt tatataatat ataatatgta 300

ttatatatta tacatgcata tttatatgta tatttatatat acacatatata tataattata 360

SEL PCT 012.ST25

tatgtatgta tatatacaca tatatattta tattatatat gtatattata tacatatatt 420
 tatatttat atgtatatat atttatcata ttatatgta atagcatgt gtaataaata 480
 atatacacat ttatatatgt atattatata catatattta tattgtatat gtatatatat 540
 ttatatatat ttgtatatca tatatttata tattgtatat ttatgtatat tatatattta 600
 tatatttat atgtattata taatatatat gtaaatatat attat 645

<210> 136

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(722)

<223> MAR of chromosome 2 genomic contig; 21664541..21665262

<400> 136

tataatatat attatattct atataaatg taaaatatat attatattct atataatgta 60
 ttatatatag aatataatat atttatgta ttctataatc tatataaac atattatata 120
 ttatatagaa tattataaat aatatattct atattatata tagaatatat tctatatgtt 180
 tatattctat atattatata tgaaatagta tataaaatat atataatata tataaaatat 240
 gatataaat atataaaaa taatatataa tgtataatat ataaaatat atataatgta 300
 taatatataa aataatatat aatgtataat atataaaata atatataatg tatattatat 360
 aaaatatat ataagtata ttatatataa aataatatat aatgtatatt atataaaaa 420
 taatatataa tgtatataaa ataatatata atatattata tataaaataa tatataatat 480
 attatatata aaatatata tattatatat aaaatatat ataatatatt atataaaaa 540

SEL PCT 012.ST25

taatatatat tatataaaa ataatatata atatattata tataaaataa tatatattat 600
 atataaaata atatatatta tatataaaat aatataatat atattatata taaaataata 660
 tataatatat tatataaaaa tataaatata ttatataaaa atataaaata taaaatatta 720
 ca 722

<210> 137

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(305)

<223> MAR of chromosome 2 genomic contig; 22834991..22835295

<400> 137

aatataaaat atatgatata taatacgtat tatatatgta taatacgtat tatatattaa 60
 tatataatat ataatacata ttatatatgt atataatata tactaatata tataatgtat 120
 acattatata ttacataat atataataca taatatagaa ttataattat atataataca 180
 taatatataa ttatatatat tatttatatat gtatttatat tatatataat atattatata 240
 taatatatat tatataatta tataagtata taattatggt atatacataa taatatataa 300
 tatat 305

<210> 138

<211> 352

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(352)

<223> MAR of chromosome 2 genomic contig; 25277762..25278113

<400> 138

taatatatat aatatattat atattatata taatatattt tataatatat aaaatatatt 60

atatataata tataatatat ttataatat atataatata ttatatataa tatataatat 120

atattataat atataataa tattatatat attatatatt tatatttatt tatatatcca 180

taaatatata ttatatata atatatatta taatatatta tatataatat ataatatatt 240

ttataatata ttataatata taatatataa tatattttat aatatatata atataataa 300

tattatatat ttatatttat ttatatattc ataaatatat atatttatat ta 352

<210> 139

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(342)

<223> MAR of chromosome 2 genomic contig; 25378452..25378793

<400> 139

tatgtacata tatattttat atattatata taatatatat tatatgatat atataatata 60

SEL PCT 012.ST25

ttatataata taatatataa aatatatata atatatatta tattatataa attatattat 120
 atatatcata taatatattt tatatattat ataatatata ttatattata tatattttat 180
 atattatatt atatatata tataatcatat aatatatatt atattatata tttatatat 240
 tatataatat atattatata ttttatata ttatataata tatattatat attttatata 300
 ttatataata catatattat atataatata atatatatta ta 342

<210> 140

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(663)

<223> MAR of chromosome 2 genomic contig; 30209437..30210099

<400> 140

aatatatatt acatattgta tatatagtat atgtaatgta tataatatag tatattctat 60
 attgtataat agtaatatat agtatatgat atactatata ttacttatca tatatacaat 120
 atatatata tcgtatattg tatattatat attgtatata tgaatatat gatatgtaca 180
 tatgttatat atgtatataa tataactatat tatatatgtt atattatata catatataac 240
 actattatac aatatataat atagcatatt atatacaata tagcatatac aatatataat 300
 atagcatatt atatatata tagtatatta tatacaatat ataatatagc atattatata 360
 taatataata tagtatatta tatacaatat ataatatagc atatacaata tagtatataa 420
 tatataatat agcatatata atatatgata ttatatataa tatataatat agcatgtaca 480
 atatatgtatg ttatatataa tatataatat agcatatata atatatgata ttatatataa 540

SEL PCT 012.ST25

tatataatat agcatatata atatattata ttatatataa tatataatat agcatatata 600

atatagtata ttatatataa tatataatac agcatatata atatagtata ttacatacag 660

tat 663

<210> 141

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1200)

<223> MAR of chromosome 2 genomic contig; 31725089..31726288

<400> 141

tgtacttata tattataatg tatatatataa gtatatactt tatatatact tatatattat 60

aatgtatatt attgtatata agtatatatac ataatatata cttacatatg ctcacatata 120

ttataatgta tattgtatat attatatata tattatatat gtataatgta tatatacatt 180

atatatgtat aatgtatata tacattatat atgtataatg tatatatata ttatatatgt 240

ataatgtata taatatatac aatatatgta taatatataa tatatacaat atatgtataa 300

tatacaatat atgtataata tacaatatat gtatagtata taatatatat tatatatgta 360

tagtatatta tatattatat atgtatagta tataatatgt ataatgtata tattataata 420

tattatatat aatatctata acaatatata atattgtata tattatatat aatatatatt 480

tatataatat atattatata taatatatta tgtatttatt tatattatat ataatatataa 540

tatatataat ataaataata ttattatat attaatataa atatttatat taatatatat 600

ttattatata taaataatat ctatgatata aatatatat aatatatg tatatgttat 660

SEL PCT 012.ST25

aatatataca tataatatac atgtgtatat atactataca tgtatatata acatgtatat 720
 atatacatgt atatatatta tgtatacatg tatagtatat atacatgtat atatatatat 780
 atatactata catgtatata tacatgtata tatatacata tatactatac atgtatatat 840
 acatgtatat atacacatat atactataca tgtatatata catgtatata tatacatgta 900
 tgttatatac attattataa tatacatata tagtatacat tatatacatt atataatatg 960
 cattattata atataatata cattattata atatacatta ttataatata atatacatta 1020
 ttataatata cattattata atatacatta taataatata cattattata atatacatta 1080
 taatattgaa gtatatatac tataatatat gtatatatta taatgtatat aatatacatt 1140
 attatatata agtatgtatt atatataagt atatattata atatatgtat atacatatat 1200

<210> 142

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(325)

<223> MAR of chromosome 2 genomic contig; 32147252..32147576

<400> 142

aaatacaaat atttatttat atataatata taatataata tatttattta tatataatat 60
 ataatttata attatataaa tatataatat atttatatat aatatataat ttatttatat 120
 attaattata tatataataa atatatataa tatataattt tatttatatat taatttatata 180
 tataataaat atatatataa tataataata ttatatacat tatatataaa tataaatatt 240
 tatataatat ataataaat atatttattt atatatataa atataatata taatttatata 300

SEL PCT 012.ST25

aatatataat atatttatat ataac

325

<210> 143

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(507)

<223> MAR of chromosome 2 genomic contig; 32312662..32313168

<400> 143

attatttata taaatattat atttatatta ttatataaa tattatattt atattattta 60

tataaatatt atatttatat tatttatata aatatttat ttatattatt tatataaata 120

ttatattat attatttata taaatattat atttatatta ttatataaa tattatattt 180

atattattta tataaatatt atatttatat tatttatata aatatttat ttatattatt 240

tatataaata ttatatttat attatttata taaatattta ttatattat ttatataaat 300

attatattta tattatttat ataaatattt atttatatta ttatataaa tattatttta 360

tatttatata aataatataat aaataaatat ttatatgta tataaatatt atttatatta 420

ttattttaa taaataatat aaattaatat aaatattaat attatttatt ttattataaa 480

taatatataat atttatattta tatttat 507

<210> 144

<211> 339

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(339)

<223> MAR of chromosome 2 genomic contig; 33651118..33651456

<400> 144

aaatataata tattatttat atataatata aatgatatat tatgtatata taaaatataa 60

ataatatatt atgtatatat aaaatataaa tattatttat atataaaata taaataatat 120

ttatatataa aatataaata ttatattatt tatatatataa atataaataa tatattattt 180

atatataaaa tataaataat atattattta tatataaata atatataaaa tataaatata 240

tattatatat aaataaaata tatatattat atatataaat ttatatataa tatataaaat 300

ataatatata tatttaatat ttattatata atatataat 339

<210> 145

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(461)

<223> MAR of chromosome 2 genomic contig; 45073053..45073513

<400> 145

tgtgtatata tatatacgtg tacatatata tatatacatg tgtatatata tacgtgtaca 60

SEL PCT 012.ST25

tatacatata tacatgtgta tatatatgta catatacata tatacatgtg tatacataca 120
 tatatacatg tacatatata tatatacatg tgtatacata catatatata tgtacatata 180
 catatatata tgtgtatact tacatatata catgtacata tacatatata catgtgtata 240
 tatacatata tacacgtaca tatacatata tacatgtaca tatatacatg tatacatata 300
 tacatgtaca tatgtacata tatatacatgta tacatatata catgtacata tgtacatata 360
 tacatgtata catatatata tgtacatatg tacatatata catgtataca tatatacata 420
 tgtacatacg cacagataga catatatata tatgtacata c 461

<210> 146

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1162)

<223> MAR of chromosome 2 genomic contig; 45487691..45488852

<400> 146

attatattat ctatataaat ctattataac tattatatta tctatataat atctattata 60
 tatattatat tatctatata aatctattat atatattata ttatctatat aaatctatta 120
 tatatattat attatctata tatctattat atattatatt atattatatt atatataata 180
 tctattatat atattatatt atattatatt atatataata tctattatat atattatatt 240
 atctatataa tatctattat atattatata ttatattata tataatatct attatatata 300
 ttatattata ttatatataa tatctattat atctattata tatattatat atatctatta 360
 tatctattat atatattata tataatatct attatatcta ttatatatat tatatataat 420

SEL PCT 012.ST25

atctattata tctattatat tatattatat ataatatcta ttatatctat tatatatatt 480
 atatatatct attatatcta ttatatatat tatatataat atctattata tctattatat 540
 atattatata taatatctat tataatctatt atatattata tatataatat ctattatatac 600
 tattatatat tatatatata atatctatta tatctattat atctattata tatatatcta 660
 ttatatctat tatatatatt atatacataa tatctattat atctattata tatattatat 720
 atataatatac tattatatct attatatata tactatctat tataatctatt atatataatta 780
 tatatgtact atctattata tctattatat ctattatata tataactatct attatatcta 840
 ttatatatat tatatatata ctatctatta tatctattat atatattata tatataactat 900
 ctattatata tctattatat atattatttt atattatata tagtatctat tacatatatt 960
 atattatatt atatataata tctattatat atattatatt atattataaa taatatatat 1020
 aatatctgtt atatataata gatattatat ataatatata atatatataa tagatattat 1080
 atatattata ttatataata tataatatat aatataatta atataaaaata tatataatat 1140
 ataattaata taatatgtaa ta 1162

<210> 147

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(562)

<223> MAR of chromosome 2 genomic contig; 45516233..45516794

<400> 147

acatattata tatattatat ataatatata ttatatatac atattatata tattatatat 60

SEL PCT 012.ST25

aatatatatt atatatacat attatatata ttatatatac atatatatat tgtatataat 120
atatacatat tatatatatt atatatacat attatatatt atatataata tatacatatt 180
atatattata tataaatatt atatattata tataaatatt atatatatata atattatata 240
ttatatataa atattatata tcttatatat aaatataata tataatatat ataattatta 300
tatattatat ataaatatta tatattattat ataattattat atataatata taaatatata 360
tattatataa atattgtata tattatatæa atattatata tattatatat aaatattata 420
tatattatat aaatatatat aaatatataa aatatataaa tatgtaaaat ttattttat 480
aaatatataa tataaatata taaatatataa tataaattat atataatata taatatatta 540
tacataatat atactatata ta 562

<210> 148

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(801)

<223> MAR of chromosome 2 genomic contig; 45727251..45728051

<400> 148

atatatatat ataatatata catatataga atatatatat tatttatattc tatatataga 60
atatatatat agaatatata tatatagaat atatatatag aatatatata tagaatatat 120
atatagaata tatatataga atatatatat atagaatata tatatagaat atatatatat 180
agaatatata tatatagaat atatatatat agaatatata tatatagaat atatatatag 240
aatatatata tagaatatat atatatagaa tatatatata gaatatatat atatagaata 300

SEL PCT 012.ST25

tatatataga atatatatat atagaatata tatatagaat atatatatat agaatatata 360
 tatagaatat atatatatag aatatatata tagaatatat atatatagaa tatatatata 420
 gaatatatat atatagaata tatatataga atatatatat atagaatata tatatagaat 480
 atatatatat agaatatata tatagaatat atatatatag aatatatata tagaatatat 540
 atatatagaa tatatatata gaatatatat atatagaata tatatataga atatatatat 600
 atagaatata tatatagaat atatatatat agtatatata gaatatatat atatagtata 660
 tatagaatat atatatatag aatatatata tagaatatat atatatagaa tatatatata 720
 gaatatatat atatagaata tatatataga atatatatat atatagaata tatatataga 780
 atatatatat atatatagaa t 801

<210> 149

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(346)

<223> MAR of chromosome 2 genomic contig; 50937238..50937583

<400> 149

taaaattata tatattatat ataatatata atatattata tataatatat attataatat 60
 atataatat tattatataa aatatattct atagaatata tattctatta tataatatat 120
 attctattat aatatatatt atatataata tatattctat tataatatat attatatata 180
 atatattcta ttatgatata tattatatat aataacatat attatatata atatatttc 240
 tattatataa aatatatatt atataaaata tatattctat tatataaaat atatattata 300

SEL PCT 012.ST25

taaaatatat attatattat ataaaatata tattatacta tatata 346

<210> 150

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(462)

<223> MAR of chromosome 2 genomic contig; 55672627..55673088

<400> 150

taaatatata ttatatatta tattatatat aatatattta tatttatata tactataatt 60

tatatataat atatattata tatataatat atttataata tatatcatat aaataatata 120

tatttataat atatatcata taaataatat atatttataa tagatatcat ataaataata 180

tatatttata atagatatca tataaataat atatatttat aatagatatc atataaataa 240

tatatattta taatagatat catataaata atatatattt ataatatata tcatataaat 300

aatatatatt tataatatat atcatataaa taatatatat ttataatata tatcatataa 360

ataatatata ttataatag atatcatata aataatatat atttataata gatatcatat 420

aaataatata tatttataat agatatcata taaataatat at 462

<210> 151

<211> 401

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(401)

<223> MAR of chromosome 2 genomic contig; 56081352..56081752

<400> 151

tatacatgta tgaattcgta tatgtatggt atatatgtat atgtgttata tacatatata 60

tatatacatg tatatgtgtt atatacatat acatatatac atgtatatgt gttatatata 120

tatacatata tacatgtata tgtgttatat acatatacat atatacatgt atatgtgtta 180

tatacatgtg tatgtgtata tgtatatata catatatgtg tatgtgcatg tgtatatata 240

catatatgta tatgtgtata tgtatatata catatatgta tatgtgtatg tgtatacgta 300

tatatacata tatgtgtatg tgtatgtgta tacgtatata tatacatata tgtgtatgtg 360

tatacgtaca tatacatata tgtgtatgtg tatacgtaca t 401

<210> 152

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(765)

<223> MAR of chromosome 2 genomic contig; 56404208..56404972

<400> 152

tatattatat aaagaatata tattatataa tatgtaaaga atatatatta tataatatgt 60

SEL PCT 012.ST25

aaagaatata tattatatat tatgtaaaga atatatatta tatataatat ataaagaata 120
 tatattatat aatatataaa gaatatatat tatatattat ataaagaata tatattatat 180
 ataatatata aagaatatat aatatataat atataaagaa tatatattat atataatata 240
 taaagaatat atattatata taatatataa agaatatata ttatatatta tataaagaat 300
 acatatatat aatatataaa gaatatatat tatatataat atataaagaa tatatattat 360
 atataatata taaagaatat atattatata taatatataa agaatatata ttatatataa 420
 tatataaaga atatatatta tatataatat ataaagaata tatattatat atattatata 480
 aagaatatta tatattatat aaagaatata tattatatat aatatataaa gaataaacat 540
 atatactata tataaagaat atacattata tatactatat ataaagaata tacattatat 600
 atactatata taaagaatat atataatata taaagaatat acattatata taatatataa 660
 agaatatatt atatattata taaagaatac attataatat aaagaatata ttatatataa 720
 tataaagaat acattataat atataaagaa tatatataat atata 765

<210> 153

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(443)

<223> MAR of chromosome 2 genomic contig; 61953416..61953858

<400> 153

ttatatatt atagataaaa ttatattata ttacatgtaa tatataatat gtaaaatata 60
 ttatattaca tatataatat ataatatgta aaatatatta tattacatat ataatatata 120

SEL PCT 012.ST25

ataigtaaaa tatattatat tacatatata atataaaata ttacatatata tatattttac 180
 ataaatatat attatctatt acatatttat tatatgtaat aatatgtaca tatgtataaaa 240
 tatgtatata ttatatacata tgtatatatt atatatacat atatatgtat atattatata 300
 tacatatata tgtatatatt atattatata tacatatata tgtatatatt atattatata 360
 tacatatata tgtatatatt atattatata tacatatata tgtatatata ttataaatat 420
 gtataataaaa gatttatatg taa 443

<210> 154

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(372)

<223> MAR of chromosome 2 genomic contig; 62076211..62076582

<400> 154

tatataaat tatatatgta attatatatc agtatatata attatatata attatcaata 60
 tatataatta tatataatta tcaatatata taattatcaa tagatatata taattatata 120
 tataattata tataattata tatcagtata tataactata taattatata tatgtatata 180
 taattatag tataaattat ctataagtat atataactat aatatatc aattatatat 240
 acttatgtat aattatatat actgatatat aattatacat aattatatat atcaattata 300
 tataaattatg tataattata tatacatata tataattata tatataaatt atatgtaatt 360
 atataattac ac 372

<210> 155

SEL PCT 012.ST25

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(484)

<223> MAR of chromosome 2 genomic contig; 62158581..62159064

<400> 155

attatatata atataaaaat tatacatatt attttattat atattatata cataatatat 60

atatttcata tataatatat attatatata atataaaata tatattatgt ataattatat 120

ataaaatata ttatataatt atatataaca taaaatatat ataatatata attatatata 180

atataaaata tatatataat ataaaatata tattatatgt aattatatat aatataaaat 240

atatatataa tataaaatat atattatata taattataat ataaaatata tattatatag 300

tatatattat ataaaatata tattatatat aattatatat tatataaaat atatattata 360

tataattata taatataaaa tatatattgt atataattat atataatata aaatatatat 420

aatatatgaa ataagatata tactatatat aatatatata atttacaat aagatatata 480

tcat 484

<210> 156

<211> 644

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(644)

<223> MAR of chromosome 2 genomic contig; 68145036..68145679

<400> 156

tatatatatg ctaatatatg taatatatat tatatatatg ctaatatata tatgctaata 60
tataatatat attatatata aatatataat atatatttat ataaatatat aatatattat 120
atataaatat ataataataa tatatataat atatactata ttatatatta tgtataacat 180
ataatacata ttgttatat ataatatata tattatatgt tatatattat atattatata 240
taatataaca atatatttta tatattatat gttatatatt atatattata tataatataa 300
cataatatat aatatatatt atattatata ttacatatat tagcaatatt atatataaaa 360
tatatataat atatataaaa tatatataaa aatataaaat atatatcaaa atataaacta 420
tataatatat aaaaatatat tatatataat atataaaaat ataaactata taatatataa 480
aaatatatta tatataatat ataaaaatat attatatatt atatataaaa atatattata 540
tataatatat aaaaatatat ataaaatata aaaaatatat ataaaatata aaaaatatat 600
aaaataatat aaaatatata atatataata atataatata taat 644

<210> 157

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(530)

<223> MAR of chromosome 2 genomic contig; 71257289..71257818

SEL PCT 012.ST25

<400> 157

atatctatta tatttatata ctttatataa attatatcta ttatatattat atactttata 60
 taaattatat ctatttatatt tatatacttt atataaatta tatctattat atttatatac 120
 ttatatataa ttatatctat tatatttata tactttatat aaattatatc tatttatatt 180
 atatacttta tataaatata taatttatatt tatatacttt atataaatat aattataaat 240
 atatttatat actttatata aatataatta taaatatatt tatatacttt atataaatat 300
 aattataaat atatttatat actttatata aatataatta taaatatatt tatatacttt 360
 ataattatat gttatattta taatttatatt tatataattc ataattatat acattatggt 420
 tatagtata taatttataa ttatatacat tatatttata ttatatataat ttataattat 480
 ataaattata taaattatat aaattatcct taatttatat tatataatct 530

<210> 158

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(337)

<223> MAR of chromosome 2 genomic contig; 73413615..73413951

<400> 158

acttatatta tatataacta tattattgta tattaatata aattaatgat atataatata 60
 ttaattatat attatttatat gtgatataaa atacttatat ttatactgta tatatgtata 120
 tacacacata tatgtatata tgtatatata cacatatgta tatatgtata tgtatatatg 180

SEL PCT 012.ST25

tatactgtat atatgtatat acacacatat atgtatatat gtatatgtat atatgtatac 240
 tgtatatatg tatatacata tatacatata tgatatatat cacatatatg tgatatataa 300
 atatatttat ataaatataa tattaatatt tatatta 337

<210> 159

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1340)

<223> MAR of chromosome 2 genomic contig; 77011049..77012388

<400> 159

atgtatttta tatagtatat attatgtatt atattgatat aattatataa caattattta 60
 tatataaaat aacaaataaa tatataaaat aataaatata tatttattat taaataataa 120
 atatataatt attattaaat aataaatata taaagtaata aatatatatt tatatattaa 180
 ataattcata tatatttata tattaaataa ttcatatata tttaaataat taatacatat 240
 ttaaataatt aatatatatt tatataatat atatttatat attaaataat taatatatat 300
 ttatagatta aattaatata tatttatata ttaaattaaa tttaatatat tatatattta 360
 tataatttaa atttaataat ttatataatt taatttaatt taatataatt aaaatatatt 420
 aaacattata taatatataa tatatttaatt atataatata tatttaatat ataatatatt 480
 taatatataa tatatttaatt atataatata tatttaatat ataatatatt taatatataa 540
 tatatttaatt atataatata tatttaatat ataatatatt taatatataa tatatattta 600
 atatataata tatttaatat ataatatata tttaatatat aatatattta atatataata 660

SEL PCT 012.ST25

tatatttaaat gtataatata ttaatatat aatatatatt taatgtataa tatatttaaat 720
 atataatata tatttgatgt ataatatatt taatatatat ttgatgtata atatatttaa 780
 tatataatat atatttgatg tataatatat ttaatatata atatatattt gatgtataat 840
 atatttaata tataatatat atttgatgta taatatattt aatatataat atatatttga 900
 tgtataatat atttaatat taatatatat ttgatgtata atatatttaa tatataatat 960
 atatttgatg tataatatat ttaatatata atatatattt gatgtataat atatttaata 1020
 tataatatat atttgatata taatatattt aatatataat atatatttga tatatattta 1080
 atatataata tatatttgat atataatata ttaatatat aatatatatt tgatatataa 1140
 tatatttaaat atataatata tatttgatat ataatatatt taatatataa tatatatttg 1200
 atatataata tatttaatat ataatatata ttgatatat aatatattta atatataata 1260
 tatatttgat atataatata ttttcttatt aattatttat atataatata taaatatata 1320
 ttaattaatt atatatttaa 1340

<210> 160

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(937)

<223> MAR of chromosome 2 genomic contig; 78226855..78227791

<400> 160

tgtgtatata tacatatatg tgtatctatg tgtatatata catatgtgta tatatacata 60
 tatgtgtata tatacatatg tgtatatatg tgtatatatg tgtatatata catatatgtg 120

SEL PCT 012.ST25

tatatatgtg tatatatgtg tatatataca tatatgtgta tatatgtgta tatatacata	180
tggttatata tggttatata tacatatatg tgtatatatg tgtatatata catatatgtg	240
tatatatgtg tatatataca tatatgtgta tatatgtgta tatatgtgta tatatacata	300
tatgtgtata tatgtgtata tatacatata tggttatata tggttatata tacatatatg	360
tggtatatatg tggtatatgtg tggtatatata catatatgtg tatatacaca catatatgtg	420
tatatatgtg tatatataca tatatgtata tatacatata tggttatata tggttatata	480
tacatatatg tggtatatatg tggtatatata catatatgtg tatacataca tatatgtgta	540
tatatgtgta tatatacata tatgtgtata catacatata tggttatata tggttatata	600
tacatatatg tggtatatata catatatgtg tggtatatgtg tatacataca tatatgtgtg	660
tatatatgtg tatacatatg tggttatatg tggtatatata catatatgtg tggtatatatg	720
tggtatatata catatatgtg tggtatatatg tggtatatata catatatgtg tggtatatatg	780
tggtatatata catatatgtg tggtatatatg tggtatatata catatatgtg tggtatatatg	840
tggtatatata catatatgtg tggtatatatg tggtatatata catatatgtg tggtatatatg	900
tggtatatata catatatgtg tggtatatatg tggtatat	937

<210> 161

<211> 1350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1350)

<223> MAR of chromosome 2 genomic contig; 79287748..79289097

<400> 161

SEL PCT 012.ST25

tatatatatt atatatatag taactgttct attatatata tattatatat atttctgttc	60
tattatatat tatatatatt atattatata ttatatgtaa tatattatat atattataag	120
taatatatta tatatatatt atgtaataata ttatatatat tatatgtaat atattatata	180
tattatatgc aatatgttat atatattata tgcaatatgt tatatatatt atatgcaata	240
tattatatat attatatgca atatattata tataatatat gtaatatatt atattatata	300
ttatatgtaa tatcttatat attatatgta atatattata tatattatat gtaatatctt	360
atatatatta tatgtaatat attatatatt atatgtaata tattatctta tatatatatt	420
atgtaataata ttatatattata tattatatgt aatatatatt atatgtaata tattacatat	480
tatatgtaat atatattata tgtaatatat tacatatatt atgtaataata tattatatgt	540
aatatattac atattatatg taatatatta catattatat gtaatatatt atatgtatta	600
tatgtaatat attatatgta ttatatgtaa tatattatat gtattatatg tattatatgt	660
aatatattat atgtattata tgtaatatat tatatatatt atgtaattat attatatgta	720
atatattata ttatatatta tatatatatt atgtaataata ttatatattata tattatatat	780
attatatgta atatattata ttatatatta tatatatatt atgtaataata ttatatatta	840
tattatatat attatatgta atatattata ttatatatta tatatatatt atgtaataata	900
ttatatattata tattatatat attatatgta atatattata ttatatatta tatatatatt	960
atgtaataata ttatatattata tattatatat attatatgta atatattata ttatatatta	1020
tatatattat atgtaataata ttatatattata tattatatat attatatgta atatattata	1080
ttatatatta tatatatatt atgtaataata ttatatattata tattatatat attatatgta	1140
atatattata ttatatatta tatatatatt atgtaataata tttatatatta tatatatatt	1200
attatatatt atatgtaata tattatatta tttattatat attatatatt atatgtaata	1260
tattatatta tttattatat atattatatt attattatata tataatatat tatattatat	1320
atattatatt atatatatatt ctgttctaatt	1350

<210> 162

<211> 332

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_difference

<222> (1)..(332)

<223> MAR of chromosome 2 genomic contig; 81142998..81143329

<400> 162

ctatgtatat aactatatat aactattata taacttaata agatatataa ctattatata 60

acttaataag ttatatataa ctattatata taacttaata agttatatat aactattata 120

taacttaata agttatatat aactattata taacttatta agttatatat aactatatat 180

aactaataa gttatatata actattatat aactaataa gttatatata actattatat 240

aactaataa gttatatata actattatat aactaataa gttatatata actatatata 300

acttatatac aacttattaa gctatatata ta 332

<210> 163

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(327)

<223> MAR of chromosome 2 genomic contig; 84019536..84019862

SEL PCT 012.ST25

<400> 163
 actgacagta tacatactgt atatataac agtatgtata catatacagt atgtatacta 60
 tatacagtat gtatactgta tatatatata cagtatgtat actgtatata tatacagtat 120
 gtatacgtat gtatactgta tatatgtatt atagtgtata tatgtattat agtgtatata 180
 tgtattatat atattatagt gtatgtatta tatgtgtata tacatataat atattataca 240
 tatacatatg cacaatatgt atatgtatta tatgtattca tatacatata tgtatatgta 300
 taatatatgt atacatatata tacacat 327

<210> 164
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_binding
 <222> (1)..(407)
 <223> MAR of chromosome 2 genomic contig; 1448030..1448436

<400> 164
 tatataatat atattacata tatattatat ctatattatt tatattacat atgtaata 60
 tattatattt atattattta tataatatat tatatatatt atattattta tatgtaatat 120
 atttatattg ttatatata ttatattat attatttata tataatacat attatattta 180
 tattatttat atataatata tataataaat atataatata tataaaaata tatatattta 240
 atatatctat aatatatatt atatatatta tatataatat atataattgt acatatattt 300
 attatatata ttatatatat aatatatatt ataaatataa tatataaata tatttataaa 360
 tatatataaa tatttatatt atacattata ttatatata tattata 407

SEL PCT 012.ST25

<210> 165

<211> 1959

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1959)

<223> MAR of chromosome 2 genomic contig; 2117630..2119588

<400> 165

tatacatgtt atagtgata tagtatacta atatataatg tatgtatgtg tatacatata 60

cacatataat atacacatat ataatatata tagtatataa taatgtataa tatataatat 120

ataatataaa atgtatagta tactacatat ttatatatag tatatagtat gcatagtaca 180

tatatactat atatgtagta tactatagtg tatatatagt acaccatata tagtataaat 240

atactatata gtatgtgtac tatatatata ctatatagta tatacagtat acatatatag 300

tataacctata ctatatagta tatatagtg gcgtatacta tatagtatat atagtggtcg 360

tatactatat agtatatata gtgtgcgtat actatatagt atatatagtg tgcgtatact 420

atatagtata tatagtggtc gtatactata tagtatatat agtatacata tatagtggtc 480

gtatactata tagtatatat agtatacata tatagtggtc gtatactata tatagtatac 540

atatatagta tatctagagt atatgtagta tgtatagtat atatagtcta catactgtat 600

atacagtata tatatactct atagtatact atacagtata gtatactata tagtatacaa 660

tatatgtata ctatagaaac aactatata tagtatacta tatatactat atactatata 720

ctatatatag tatactatat atactacata ctatatatag tgtatgtata gtatatataa 780

actatatata gtgtatatag tatatatatt atatataata tatattatat tatattatac 840

SEL PCT 012.ST25

tatatattat atgtatatta tagtatatta tactattata tattatatat tatattatat 900
 attatataat ataataat tatatattat aaaatatata ttttatatt atatatttt 960
 aaatatttta taatatatat ttataatat atatattata attattttat atataatata 1020
 aaatataata aatattttat aatatatatt ttataaatat aatatttata tattataaaa 1080
 atataaatat ataatatatt atatattata tatagtataa tatataatat gttatatagt 1140
 atcttatact attatactat atatattata tagtgtatat atagtatact atatatagtg 1200
 tatatagtggt atactatagt gtatatagtg tatactatag tgtatatagt gtatactata 1260
 tacactgtat atagtagtggt atactatata cactgtatat agtagtggtat actatataca 1320
 ctgtatatag tagtgtatac tatatacact gtatatagta gtgtatacta tatacactgt 1380
 atatagtagt gtatactata tacactgtat atagtagtggt atactatata cactgtatat 1440
 agtagtggtat actatataca ctgtatatag tagtgtatac tatatacact gtatatagta 1500
 gtgtatacta tatacactgt atatatagta tattatatat actatatatg tatatatagt 1560
 atacatatat attatatata cagtatatat agtatatata ctatgtagta tatatagtat 1620
 atatactata tagtatgtat agtatactat atagtatata tagtatatta tatagtatat 1680
 atactatata gtatatatag tatattgtat atatagtata tatactatat agtatatata 1740
 gtatattgta tatatagtat attgtatata tagtatacat agtatgtata tatagtatat 1800
 atagtataca tatatagtat gtacacagta tatatagtct atatgtatac tacatatagt 1860
 atacatgtat actatactac atatagtata catgtatact atactacata tagtatacat 1920
 gtatagtata ctacatatat tatacatgta tagaatact 1959

<210> 166

<211> 520

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(520)

<223> MAR of chromosome 2 genomic contig; 2119984..2120503

<400> 166

tatgtatgca tcgtatacat atatagtata tatatgtatg catcgtatac atatatacag 60

tatatatagt atgcacgta tacatacagt atactatata tacagtatat acagtatact 120

atatatacag tatatacagt atactatata tacagtatat acagtatact gtatatacag 180

tatatacagt atatatagta tactatatat acagtatata tactatgtat tctatatata 240

gtatagtga catagtatac atatagtata cactatacta tatatagtat actatatata 300

ctctatatag tatatatagt atactatata tagtatatat gtatactata tatagtgtat 360

atatatacta tatatagtgt atatatac tatatatagt atatatac actatatatt 420

gtatagtata gtgtatatat agtatagtat atgtatatat acacatgtat acatgtatat 480

atgtatacta atatatacta atatatgtat aaatatatat 520

<210> 167

<211> 954

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(954)

<223> MAR of chromosome 2 genomic contig; 2578285..2579238

<400> 167

SEL PCT 012.ST25

tatttatatat aactttataa tatataatat atatttatata taactttata atatataata 60
 tatatttatat ataactttat aatatataat atatattata tataacttta taatatataa 120
 tatatattat atataacttt ataatatata atatatatta tatataactt tataatatat 180
 aatatatatt atatataact ttataatata taatatatat tatatataac ttataatat 240
 ataatatata ttatatataa ctttataata tataatatat attatatata actttataat 300
 atataatata tatttatatat aactttataa tatataatat atatttatata taactttata 360
 atatataata tatatttatat actatatata atatataact ttataatata taatatatat 420
 tatatactat atataacttt ataatatata atatatatta tatatttatat ataactttat 480
 aatatataat atatattata tataacttta taatatataa tgtatattat atatttatata 540
 ttatatatta tatataactt tataatatat aatgtatatt atatattata tataacttta 600
 taatatataa tatataatat aatatataac ttataatat atatatcata tatttatatat 660
 aactttataa tatatatcat atatttatata taactataat atatatatca tatatttatat 720
 ataactataa tatatatatc atatattata tataacttta taatatatat atcatatatt 780
 atatataact ttataatata tatcatatat tatatataac ttataatat atatcatata 840
 ttatatataa ctttataata tatatttatat ataactttat aatatatatc atatattata 900
 tataacttta taatatatat catatattat atataacttt ataatatata tcat 954

<210> 168

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(452)

<223> MAR of chromosome 2 genomic contig; 3836217..3836668

SEL PCT 012.ST25

<400> 168

tttatatata aatatataac ttatatatat ttatatataa tacatatata tcttatatat 60

ataaaatata tatacatatt tatatatataa atacatatgt attatatata tttatatata 120

atacatatgt attatatata attatataat acatatgtat tatatacaat tatataatac 180

atatttataa atatatatat ttatatattat atatatattat atataaataa atatatattt 240

atagatttat ttatatataa atatatattat ataaatatat atttatatat atttatataa 300

atatatatatt atatatattt ctatatatat atataaatat atgtataaat atatatattt 360

atacatatat tcatataaat atatatattt atacatgtat ttatatgaat atatatattat 420

acatgtaatt atatgaatat atatttatac at 452

<210> 169

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(417)

<223> MAR of chromosome 2 genomic contig; 3837666..3838082

<400> 169

gatatatata tttatatataa tatatatata aagagatata tttatatatt tatttatata 60

aatatatattc tttatatataa gatatatgta aatatattta tttatatataa tatatttata 120

tatgtaaata tatatttata tatttatata tttatatatt tatttatata aatatatata 180

tttatatatatt tatttatata tataaaaata tataaatata aatatatata aatatatata 240

SEL PCT 012.ST25

attataaata tagaaataaa tataaatata aatatataaa tatatataaa tataaatata 300
 tataaatata aatatatata aatataaata tataaatgta taaatatata aatataaata 360
 tatataaata tgtataaata tataaatata taaatatata aaaatatata taaatac 417

<210> 170

<211> 1197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1197)

<223> MAR of chromosome 2 genomic contig; 6294846..6296042

<400> 170

tatatactaa tatgtatata taaatatata aatatatata cacgtgtata tataaatata 60
 tatgtatata taaatatata tacatatatg tatataaaaa tatatacgta tatacgtata 120
 tacgtatata tagatatata cgtatatatg tatatacgta tatatagata tatacgtata 180
 tacgtatata tagatatata cgtatatatg tatatacgta tacatgtgta tatacgtata 240
 tacacatata cgtatacatg tgtatatatg tatatgtata cattatatat acgtatatat 300
 acatatatgt atacatgtat atataaatat atacatatat gtatatatta tacatatatg 360
 tatatataat atatatatta tatataaatat atatattata tataatatat atattatata 420
 taatatatat attatatata atatattata tattatatat aatatatata tatataaat 480
 attatatatg tacatatgta cataatgtat atatgtatat atataatata tatgcacatg 540
 tatatataat atatgtatat tatatatata tatgtatata tgtacatatt atatatgtat 600
 atatgtacct attatatata catatgtata tatgtacctt ttatatatatac atatgtatat 660

SEL PCT 012.ST25

atgtacatat tatatatata tatgtatata tgtacatat atatatacat atgtatatat 720
 gtgcatgcat atataatata taatatatta tagattataa tattatatac atatcatata 780
 ttatatactt atatatacat gtatatatta tatacatatt atatattata tacatataat 840
 atatgtatat aatatataca tatattatat attatatata atacattatg ttatatatta 900
 tgttatataa tatatattat ataatatata tatattatat ataatatata catatataat 960
 aaataatata taattatata tataatatat gcatataaat atgtaatata ttttatatta 1020
 tatatgatca tatataatat gacatattat atatgattat atatatgata tattatatat 1080
 gattatatat attatatata aatatatgat tatatataat catatatata aatatatgat 1140
 tatatgatta tatataaata tatatatatg attatatgat tatatataat tgattat 1197

<210> 171

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(362)

<223> MAR of chromosome 2 genomic contig; 6506971..6507332

<400> 171

tatatatagt gtatactata tatacgctat atgcacacat aaactatata tacagtatat 60
 aatatgcgta tactatatac acagtatata ctacatgtat actatatata gtatataaga 120
 tatatactat gtatataata tatatactag gtatatatat ccatatatat actatatact 180
 atagtatata catatatatg tacgtatata tgtatatgta catatatatg tagtatgtat 240
 atatatacat atatacacac tatagtatat acatatatat actatatata ccctatatag 300

SEL PCT 012.ST25

agtatattat atacagtata ctatatatac tatataacc ctatatagag catgtctatg 360

ct 362

<210> 172

<211> 2578

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2578)

<223> MAR of chromosome 2 genomic contig; 6507395..6509972

<400> 172

ggtatactat atatactata gagtatactt tatagtatat atacctatat tatatatata 60

tacatacact gtatagtata tatggtatat atactatata tggcatatat agtttatata 120

tatactatat atggtatata tagtttatat atatactata tatggtatat atagtttata 180

tataccatat atggtatata tagtttatat agtacatata gtatatatac aactgtata 240

gtatatatta tgtagtatat atactatata tactgtatat atagtataaa tactatatat 300

agtatacact atatactata cactatatat actatatact atatactata tatagtatac 360

tatatagtat atagtatact ctatatgtac tatagagtat actatatata ctatacataa 420

aataftttta tatatagtac agcgtatact atatactata tatagtatac tctatatgta 480

ctatagagtg tagtatatac tatacagtat actctatata tactatacag tacactatat 540

atactatata tagtatattt tatatatagt acagtatata cagtatatat attatactat 600

atgtagtaca tatatagttt agtatatata gtatatatac tatactatat gtactacata 660

tataatagta tatatagtat atatactata ctatatgtag tacatatata gtttagtata 720

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tatactagta tatagatata tagttatata gatatataat agtatatata gtatatatag 780
 catatatagt atatatgcta tatatactat atagcatata ctatatacta tatatacagt 840
 atatatagca tatatagcat atataatata tatacttttg atatacatat tatatacagt 900
 atatatagta tatatactgt ataaatatac tatatatacc gtatatgcac actatatgct 960
 atatatacta tatacactat atacagtata tatagtacac tatactatat aaagtatata 1020
 tagtatacag tacactatac tatatacatt atatatagta tatattatac atagtatata 1080
 gtatataaat agtatatata gtatatacag tatatatata gcatacttta tatagtatac 1140
 acagtatata gatactatat atgctatata tagtatctat atactgtata ttatatatac 1200
 taatatagta tatatgtata tatatactgt atatataata tatacatata tagtatatat 1260
 actatacata cacactatac atatgtatat atactataca tactatatac tatatadcct 1320
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 atatatacta tatagtatat tatatatact atataccata tatactatat atactgtata 1440
 gtatactata tatactatat agtatactgt atatactata tagtatactg tatatactat 1500
 atagtatact gtataatac tatagtatac tgatatatact atatagtata ctgtatatac 1560
 tatatagtat actgtatata ctatatatac tatatagtat actgtatata ctatatagta 1620
 tactatatat actatatacc atatatacta tgtatatact atatatagta tatactatgt 1680
 atatgctata tatagtatat atagtatata tgctatatat agtatatata gtatatatgc 1740
 tatatataca gtctatatat agtatatata ctatatagac tatatatata gcatatatac 1800
 tatatatact atafataata tatatggtat atacatagta tctatatgta gtatctatat 1860
 atagtaccta tatatactat atataggtac tatatatagt atatatactt tatatagata 1920
 ctatatatag tatatatact ttatatagta tatatagtat atgtagcata tatagtatat 1980
 atagtatata tagtatatag tatgtatagt atatatagat tatattgtat atacagtata 2040
 tatactgtat atactatata aatagtaac acagtatata cagtatatat gtactatata 2100
 tagtatatac agtatataca gtatatatgt accatatata gtatatacag tatatacagt 2160
 atatatgcac tatatggtat atacagtata tacagtatat atgtactata taaatagaat 2220

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atactctata tacagtatat atgtactata taaatatata cactatgtac agtatatatg 2280
 tactatataa atagtatatata cactatatac agtatatatg tactatatag tgtatacagt 2340
 atatacagta tatagggtact atatatggta tatacagtat atatgcacta tatgggtatat 2400
 acagtatata tgcactatat atgggtatata cagtatatat gtactatata tgggtatatac 2460
 agtatatatg tactatatat ggtatatata gtatatatgt actatatatg gtatatacag 2520
 ttatatacagt atatatgcac tatatatggt atatacagta tacatgtact atatatgg 2578

<210> 173

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(598)

<223> MAR of chromosome 2 genomic contig; 7770400..7770997

<400> 173

gtgtattgta tatacatata cgtatctacg tatatacata tatgtattgt atatacatat 60
 atgtattgta tatacatata tgtatatacg tatatacata tatgtattgt atatacatat 120
 atgtatatac gtatatacat atatgtatat acgtatatag atatacatat atatgtattg 180
 tatatacata tatgtatata catatatata tatatatga tatacatata tatgtattgt 240
 atatacatat acaatatatg tatatatata tatacatata caatatatgt atatacatat 300
 atatgtattg tatatacata tatatgtatt gtatatacat atattgatat acatatatgt 360
 atatatacat atatgcatat atgtatatat acatatatgc atatatgtat atatacatat 420
 atacatatgt acatatatac atatatacat atatgtatat atacatatat acatatgtac 480

SEL PCT 012.ST25

atatatacat atatacatat gtacatatat acatatatac atatgtacat atatacatat 540

atagatatat atacacatat atagatatat ttatatgtat atatacatat atacatat 598

<210> 174

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1048)

<223> MAR of chromosome 2 genomic contig; 8332422..8333469

<400> 174

cattatatat aatatataat atattattat atataatata tataacatta tatatagtat 60

atatgacata tataacatat attatatata acatatataa aatataacat attatatata 120

acatatataa aatataacat atattatata taacatatat aaaatataac atatattata 180

tataacatgt ataaaatata acatatatta tatataacat gtataaaata taacatatat 240

tatataacat gtataaacta taacatatat tatatataaa atatattata tggatatat 300

tataaataaa atatattata tggatatat tataacatat tatataaata atatataata 360

tataacatat attatataaa taatatataa catatattat ataaataata tataacataa 420

catatattat ataacatata acatataaca tatattatat ataacatata acatataaca 480

tatattatat ataacatata acatataaca tatattatat ataacatata acatatatta 540

tattatatat aacatataac atatattata ttatatataa catataacat atattatatt 600

atatataaca tataacatat attatattat atataacata taacatatat tatattatat 660

ataatatata acatatatat tatatataat atataacata taacatatat tatatataat 720

SEL PCT 012.ST25

ataatatata acatatatta tatataatat aatatataac atatattata tataatataa 780
 tatataacat atattatata taatataata tataacatat attatatata atataatata 840
 taacatatat tatatataat ataatatata acatatatta tatataatat aatatataac 900
 atatattata tataatataa tatataacat atataatata taacatatag catatataat 960
 atataacata taacatatat tatatataac atataacata tattatatat aacatataac 1020
 atatataata tgaacatta tatataac 1048

<210> 175

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(375)

<223> MAR of chromosome 2 genomic contig; 8909678..8910052

<400> 175

tatatacaca tatatacgta tgaatatata tacacatata cgtatgaata tatataccca 60
 tatacgtatg aatatacaca tatatatacg tacgtatata tatacacata tatacgtacg 120
 tatatatata cacatatata cgtacgtata tatatacaca tatatacgta cgaatatata 180
 tacacatata tacgtacgaa tatatatata catatatacg tacgaatata tatacacata 240
 tatacgtacg aatatatata cacatatata cgtacgaata tatatacaca tatatacgta 300
 cgaatatata tacacatata tacgtacgaa tatatatata catatatacg tacgaatata 360
 tatacacata tatak 375

<210> 176

SEL PCT 012.ST25

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(563)

<223> MAR of chromosome 2 genomic contig; 10572503..10573065

<400> 176

atttataata tatatgtata aatatatgta tatatttata tttaaataa tgtatatata 60

tttatattta aatatacgta tatatattta tatttaaata tacgtgtata ttttatatt 120

taaataatcg tgtatatatt tatatttaaa tatacgtgta tatatttata tttaaataa 180

cgtgtatata ttatatattta aatatacgtg tatatattta tatttaaata tacgtgtata 240

tatttatatt taaataatcg tgtatatatt tatatttaaa tatacgtgta ttttatatt 300

taaataatcg tgtatatatt tatttaaata tatgtatgta ttataaata tatatttaaa 360

gtatatattt ataaatgtat acatgtatat ataaatatat atattttaa tatatattta 420

tatatatatt tatatattta tataagtata tatatattta aatatatgta tatatttata 480

tatttatata agtatatata tttaaataa tgtatatatt tataatatat atttaaata 540

tatatttata ttttattat ata 563

<210> 177

<211> 595

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(595)

<223> MAR of chromosome 2 genomic contig; 11609694..11610288

<400> 177

tataaatact atatatagta tatataatat tatatatact atatataaat atagttagta 60

taaataatat ataatataga tatataatat aatataatat gttataaata taaatatatt 120

tatataattt aatttataat atataatata taatatataa tttaatttta taatatataa 180

tatataattt aattttataa tatataatat ataatatgta aattatatat aatttaatat 240

atctaaatta tataatttaa atataaatat aatataaata tatctaacat aatatacata 300

acataaatat atatagtata tatagtacat ataaatatat atagtacata tagtatatat 360

aaatatatag tatatataaa tatagtatat ataaatatat agtatatata tagtatatat 420

aaatatatag tatatataaa tatatatagt atatataaat aatatatagt atataaataa 480

tatatattat taaatataat aataatttat tatatatact atatattatt atgtattata 540

ttatatatat tattttatat ttaatatata ttattttata tatttatatt aatat 595

<210> 178

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(662)

<223> MAR of chromosome 2 genomic contig; 12699804..12700465

SEL PCT 012.ST25

<400> 178

gtatatatat atatatatat atgggtgtata tatatatata tatatatggt gtatatatat 60
 atatatatat atgggtgtata tatatatata tgggtgtatat atatatatgc tgtatatata 120
 tatgggtatat atatatggta tatatatatt tgctatatat atagcagatc tgctatatat 180
 atatatattgc tatatatata gcagatctgc tatatatatt tgctatatat atgctatata 240
 tatgctacat atatgctata tatatgctat atatatgcta tatatatgct atatatatgc 300
 tatatatatg ctacatatat gctatatata tgctacatat atgctatata tatgctatat 360
 atatatgcta tatatatgct atatatatat gctatatata tgctatatat atatgctata 420
 tatatgctat atatatatgc tatatatatg ctatatatat gctatatata tagcatatat 480
 atatagctat atatatgcta tatatatagc ttatatatat gctatatatg ctatatatat 540
 gctatatata tagctatata tatgctatat atagctatat atatgctaca tatatgctat 600
 atatatgccca tatgtatgct atatatatgc tatatatata tgctatatat atgctatata 660
 ta 662

<210> 179

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(649)

<223> MAR of chromosome 2 genomic contig; 12821904..12822552

<400> 179

SEL PCT 012.ST25

tatgtaatat tatatatata aattatatat tatacatatg taatattata tatatatataa 60
 ttatatatta tacatatgta atattatata tatataaatt atatattata catatgtaat 120
 attatatata tataaattat atattatata tatgtaatat tatatatata taaattatat 180
 attatacata tgiattatat atataaatta tatattatac atatataata tatatatataa 240
 ttatatatta tacatgtata atatatatata attatatatt atacatatat aatatatata 300
 aattatatat tatacatata taatatatat aaattatata ttatacatat ataatatata 360
 taaattatat attatacata tataatatat ataaattata tattatacat atataatata 420
 tataaattat atattatata tatataatat atataaatta tatattatac atatataata 480
 tatataaatt atatattata catatataat atatataaat tatatattat acatatataa 540
 tatatatataa ttatatatta tacatatata atatatatata attatatatt atacatatat 600
 aatatatata aattatatat tatacatata taatatatat aaattatat 649

<210> 180

<211> 3191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(3191)

<223> MAR of chromosome 2 genomic contig; 15356889..15360079

<400> 180

tacaattata tataactata aatataatat aatatatatt atctatatta catattaata 60
 tataatatat attacctatt aatatataat ataatatata taatatatat tacctattaa 120
 tatataatat aatatatata atatatatata cctattaaata tataataaaa tatatatata 180

SEL PCT 012.ST25

atataffaca tattattata taatatatat tatataacat atataacata tactatatat 240
 tatataacat atataattgt atagtatta tatatattat atatacttat acataatata 300
 taaataatta aatatatggt ataaatataa caaatatata acatatataa catatataac 360
 atatatataa ttacataaaa tatataat acataatata ttatgcaaca tattatataa 420
 tatataacat ataagtata ttattatata tcatatataa tacataatat ataatatatg 480
 atataatata atattatata tatgatataa tataatatat tatatatggt ataataat 540
 atattatata tataggatat attataacat attacatatg atataataa tttatctta 600
 tatataggat atattataat atacacata tagcatatat taaaatatat tacatatagt 660
 atattatata tactatatgt atatatacat atagtatatt atagtatatt atacagtata 720
 tattatata actatatata gtagtatata gtatatatta tatatactat atatagtagt 780
 atacagtata tattatagac tatatattat atacactata ttatatatta tgtataatat 840
 atactatata tagtatatta ttagtatat attaaacata atagatatat agtatatact 900
 atagataata gatattatat agtatatagt atattatata tataatatat ataatatata 960
 ttatatacat atagtatata tgatatatta tatataatat atataatata taatatatgt 1020
 aatataat acattatata taatatatgt aatataatat aatatataat atagtataa 1080
 taataatata tattatataa tataacatat ataaatataa taatatatat tatatgat 1140
 aacatacata aatataataa catatataat atattatata tattatattg tatatatgat 1200
 atactatata ttacacatta tacattatt ataatatata attaatatat aacatatatt 1260
 agataacata taattatatt tgaacatat ataagatata attacatata taacatatat 1320
 aattatatat atatttatct aattatatat gaaattatat atgacatata aaattatata 1380
 ttatatatgt tatatgtatt atattatata tatgtatat atgtatatata taacatatat 1440
 aacatatata acacacacat ataacatata taacatatat tacatatata acatatataa 1500
 cacatatata attatctaac atagataata tatataatat ataataaac atatatatta 1560
 tatattat acatctattat attatatata ttatacataa tatataatat atagtatata 1620
 atataatata ttgtatat ac gatataatat atattgtaca tagtataata tacatatata 1680

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gtatattatg tataacataa tatatagtat attatgtata acataatata tagtatatta 1740
 tgtataacat aatatatagt atattatgta taacataata tatagtatat tatgtataac 1800
 ataatatata gtatattatg tataacataa tatatagtat attatgtata acataatata 1860
 tagtatatta tgtataacat aatatatagt atattatgta taacataata tatagtatat 1920
 tatgtataac ataatatata gtatattatg tataacataa tatatagtat attatgtata 1980
 tataatatatc atattatata gtatattatg tatatataat atacatatta tatagtatat 2040
 tatgtatata taatatatcat attatatagt atattatgta tatataatat acatattata 2100
 tagtatatta tgtatatata atatacatat tatatagtat attatgtata tataatatatc 2160
 atattatata gtatattatg tatatataat atacatatta tatagtatat tatgtatata 2220
 taatatatcat attatatagt atattatgta tatataatat acatattata tagtatatta 2280
 tgtatatata atatacatat tatatagtat attatgtata tataatatatc atattatata 2340
 gtatattatg tatatataat atacatgta ttagtatatat tatgtatata taatatatcat 2400
 gttatgtagt atattatgta tatataatat acatggtatg tagtatatta tgtatatata 2460
 atatatataa ggtgtatata tattatgtat atataatata taaggatatat atattatgta 2520
 tatataatat atataagggtg ttatatataat gtatatataa tatataagggt atgtatatatta 2580
 tgtatatata atatgtatat tatatataat atatatattat tatatacatat atgtatctat 2640
 ataatatata ttatgtatat attaggtatc tatataatat atattatgta tatatattat 2700
 gtatctatat aatatatata ttatgtatat atattatgta tctatatataat atatatatta 2760
 tatgtatatt atgtatctat ataatatata taatgtatat agatatatta tatattatgt 2820
 atatatatta tgtatctatt ttatatataa tgtatataga tatacaatat atattatgta 2880
 tatattatgt atctatatata tatatattat ttatatagat atatatatta tgtatatata 2940
 cataatatat tacatattat gtatatatatac ataatatata atatatattatg tatatatata 3000
 taatatataa tatattatat attacatata ttatatataa tatattatat tatgtatata 3060
 tattatgtat atataatgta tatataatat ataaagtgtata tatatatgtat gtatatataa 3120
 tgtatatata ttacatatat tatgtgtata tatattatatac ataatatata tactacatta 3180

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3191

tacataatat g

<210> 181

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(314)

<223> MAR of chromosome 2 genomic contig; 728676..728989

<400> 181

tggtatata tgtatatata atatatatta tataatatgc atagtataa aatatgtata 60

ttatatatgt atattttata tatatgtata tattatatgt atattttata tatgtatatt 120

ttatatatat gtatatatta tatatgtata ttttatatat atgtatatat tatatgtata 180

ttttatatat atgtatatat tatataigta tttttatat atagtatat attatatatg 240

tatattttat atatatgtat attttatata tatgtatatc atatatatgt atatattata 300

tatatgtata tctt 314

<210> 182

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(423)

:

<223> MAR of chromosome 2 genomic contig; 737493..737915

<400> 182

ataatatata gtgtctttta tattatctaa tatgtaatat aatgtatfff atattatgta 60

ttttatatta tataatatat aatataatgt atffttatatt atagtgtata taatatatag 120

tgcattatat attatgttat attatatata ttttatttat ataaattata tattatatgt 180

tattttatat atattatata acatataata taacaatgca ttatatatta taaaatatat 240

aatacattac atattatata taatatataa tacattacat atattatata atatatata 300

cattatcata tattacaaat attacattag tataatagta attataatat aatatattat 360

atattacata tattatatta atgtaatagt aattataata taatatatat tatatfffat 420

att

423

<210> 183

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(724)

<223> MAR of chromosome 2 genomic contig; 1069556..1070279

<400> 183

tattataata tattatatac atttatattgt atatatacta tatatgggtat atatatgata 60

cataatataa aatgtatatt gtaatatata ttatatatat acatagtgtata cattatataa 120

SEL PCT 012.ST25

tataatataa tgtatattat aatatacatt ataataaat agtgactat gtatatagta 180
 tatataatgt atattataat gtattatata gtataatata atataatata cattatatag 240
 tattgcatta tatatgctat ataatatata atatattatg tatatatata ttatatatac 300
 tatattatat agtacatata atgtatatta tatagtatat ataataaat acattatata 360
 tacaatatat aatgtatatt atatagtatg tataatgtaa tacattatac atagtacata 420
 aagtatatta taatatatta taatatataa tatacattat atattataat gtatataata 480
 tattgtatat atactatata taatgtatat acaattatat ataattgtat atatacatgt 540
 atatgtatat gtatatatac atgtatatgt atgtgtatat atacatatat gtatatgtat 600
 gtgtatatat gtatatgtat atatgtatat gtatacgtat atatgtatat acaatgtata 660
 tataatgtat ataaaaatat ataatatata caatatgtat ataatgtata taattatata 720
 atat 724

<210> 184

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(383)

<223> MAR of chromosome 2 genomic contig; 2719918..2720300

<400> 184

atatttatat ttatatatt atttatatat aaatatatat ttatatatta tatattattt 60
 atatataaat atatatttat attttatata ttatttatat ataaatatat atttatattt 120
 tatatattat ttatatataa atatatattt atattttata tattatttat atataaatat 180

SEL PCT 012.ST25

atatttat ttatatatt atttatatat aaatatatat ttattttta tatatttt 240
 atatataaat atatatttat atttatata ttatatatt atatattata tatattata 300
 ttaattgtg tataatatat attataaat ataataaata tattttttt tatatattat 360
 ataaaaatat ataatatata aaa 383

<210> 185

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 2 genomic contig; 4994249..4994557

<400> 185

tataatat aattgttata acattataac aattatatat tatatataat acaattatat 60
 aatatatatt atataattgt aatatataat ataattatat aatatatatt atataatata 120
 atatataata tatcatatat gttatatatt ttattatata atatatatta tatataatat 180
 tatatataat atatattata tataatatta tatataatat atattatata taatatatt 240
 atatatatta tatataatat atattatata ttaaattatta tatatataat atatataaca 300
 ttattgtta 309

<210> 186

<211> 740

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(740)

<223> MAR of chromosome 2 genomic contig; 5034916..5035655

<400> 186

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tttatatata aaatattata tataatatta tatataatat ttctatata aaatgtgtat   60
ataattatat ataattatat aaaaatataat atagaataatc taataatgta taatatataa  120
catataaaaa taatattatt taatatataa tattttatat ataattttt tatatataat   180
ataatatata ttatatatat aattattaat tatataatta atatataata tatattttat   240
acataattat taattatata taattaatat ataatatatc ttatacataa ttatcaatta   300
tatataatta atatataata tatattttat acataattat taattatata taattaatat   360
ataatatatc ttatacataa tatatataaa tatattatat ataatatata ttatatataa   420
tattatatat aatatatatt atatataata aatttatata taatattata tataatatta   480
tatattttat atacaatatg atatataata taatttatat attatatata ttatatata   540
attattatat aaattatata aatataaatt atatatttat atataattat tatataaatc   600
attatataat tattataatt ataatatata atataatata atattatata taatatatag   660
tattciatat aaataatata acatatattt tatatagaat attatatata atataatata   720
tattttatat agaattattat                                     740

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<210> 187

<211> 847

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(847)

<223> MAR of chromosome 2 genomic contig; 6074678..6075524

<400> 187

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aatatagaca taaatatata tgcataaata tatatatgca taaatatata taaaaatata   60
tataaatata tacataaata tatataaata tatacaaaaa tatatataaa tatataaaaa   120
aatatataaa tatatataca catatataaa tatatataca tacatatata aacatatata   180
cataaatata tatgtataaa tatatataca cataaatata tgtatgaata tatatacata   240
aatatatatg tataaatata tatacataaa tatataaaga tatatacata aatatatata   300
aatatatata cataaatata tataaatata tataaataga tatataaata tatatataaa   360
tatataaata tatatataaa tatataaata tataaaaaata gatataataa tatatatata   420
aatatataaa tatatatata aatatatata aatatataaa tatatatata aatatatata   480
aatatataaa tatatataaa tatataaata tatatataaa tatatataaa tatataaata   540
tatataaata tatataaata tataaatata tatataaata tatataaata tataaatata   600
tatataaata tataaatata taaatatata tataaatata taaatatata taaatatata   660
taaatatata aatatatata aatatatata aatatataaa tatatataaa tatatataaa   720
tatatataaa tatataaata tatataaata tatataaata tatataaata tatataaata   780
tataaatata tatataaata taaatatata taaatatata aatatatata taaatatata   840
taaatat                                     847

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<210> 188

<211> 784

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(784)

<223> MAR of chromosome 2 genomic contig; 6108986..6109769

<400> 188

atttatttat atatttaata tataaaatat atatttaata tataaaatgt atatatatat 60

atatattata tataatacaa tatatattat atataatata tattatatat aatattatat 120

attatattat aatataatat atatttatata taatataata tatattatat attattatat 180

ataatataat atatattata tattattata tataatataa tatatattat atattattat 240

atataatata atatatatta tatattatta tatataatat aatatatatt atatatatat 300

tttatatata taatatataa tatatatatt atatatatat ttatatata taatatataa 360

tatatatatt atatatatat ttatatata taatatataa tatatatatt atatatatat 420

tttatatgta taatatataa tatatatatt atatatatat tatatatata taatatgtaa 480

tatatatatt atatatatat tatatatata atatatatatta tacataaaat atatattata 540

tataatatat ataatatata ttatatataa aatatatttt atgtataata tatattatat 600

ataatatata atgtatatt atatataaaa tatatatatta tatacaatgt atatttatat 660

ataaaatata tatttatata caatgtatat ttatataaat atgtgtttaa tatatgaaat 720

atatatttat atataatatata tatttaattct ataaaatata tattaaatat atatttatat 780

ttaa

784

<210> 189

<211> 381

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(381)

<223> MAR of chromosome 2 genomic contig; 10389032..10389412

<400> 189

tatacacata tagagtatat agagtatata tagagtatat ctatagagta tatatgtata 60

tagagtatat aatacagcct accatatata tagtatacat atatatatac tctatatact 120

atatatatag tgtgtatata tatagtatag accctacat atatatatat aggagtatat 180

atatatacac actcctacta tatatagtat gtatatagag agtatataga gtatatatac 240

agtatatata cacagtatat atatgccata tatagtatct atatacttat atatagtatg 300

tatctatata cttatatata gtatgtatct atatactata tatagtatgt atctatatac 360

tatatagagt atatatgtat a 381

<210> 190

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_difference

<222> (1)..(507)

<223> MAR of chromosome 2 genomic contig; 11097807..11098313

<400> 190

SEL PCT 012.ST25

aattatatat aatttattat atataatttt atatttataa tatttttata tacatatttt 60
atatatcttt ataattatat attacatata taatattata taatatatat aatatatata 120
atatatatta tatattatat aatatatatt atatatatta tatataatat atataatata 180
tataatatat ataatatata taatatataa tatatattat ataatatata ttatatataa 240
tatatattat atataatata tattatatat aatatataat atatatataa tatataacat 300
ataataatat attatacata atttatatat aatttttata taattatata tatttatata 360
ttttatata atttatatata tttatatatt tttatataat tatatatatt tatatatttt 420
tatataatta tatatataat ttttatataa atatatataa ttttatataa ttttatataa 480
ttataaaata tataattata tataatt 507

<210> 191

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(329)

<223> MAR of chromosome 2 genomic contig; 11234628..11234956

<400> 191

ttatagttaa atatatataat ataaaatata cagttttata cagtatatat aaaatatata 60
atatataata cataatacat tagttatata tactatatat actatatata ctacacgtat 120
agtatatata tgaaactata tatatactat acggttagta tatatatgaa actatatata 180
tactatacgt gtagtatata tatgaaacta tataclatac gtatagtata tatatgaaac 240
tatatatact atatatactt aactataaatt gtatatagtt aaaaatataa atataaaata 300

SEL PCT 012.ST25

tacagttaaa tatattaata tataatagt

329

<210> 192

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(584)

<223> MAR of chromosome 2 genomic contig; 797844..798427

<400> 192

tattatttta tgttataaat agataaaaat atataactaat atatatgtac ttatatatac 60

atcaatatat aatgtattat ttatactaa cgtatattat atatactagt atataatcta 120

tattatttta tatgttataa atatataata aaatatataa atattttatg catatattaa 180

tatataatat atactaacat gctaatttat atatacttat atataattta tatagtatat 240

aatatataaa tgtatataat acataattta tatatttata tattaatagt ttatatatta 300

gtatatatac taattttata tactaataaa taaattatat aatatataaa ttatatatta 360

tagtacataa tatatattat atagttaa ataatgttaa ctataatata taactatata 420

tgatatacag ttatatataa tataaatttt acatacagta tataaattat atactatata 480

tttatataca tatggtatat aaattatata ctatacattt atatacatat ggtatataaa 540

ttgtatacta tataatgtgt attagtatat atactaatat atac 584

<210> 193

<211> 363

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(363)

<223> MAR of chromosome 2 genomic contig; 1093824..1094186

<400> 193

tatacacaca catatatata cacatatata tacacatatata tatatacaca tatatatata 60

catatatata cacgtatatata tgtatacaca tatatatgta tatatatata catatatata 120

cacatatata cgtgtatatata cgtatatatcg tacatatata cgtgtatatata cgtatatgcg 180

tacatatata cgtgtatatata cgtatatgcg tacatatata cgtgtatatata cgtatatgcg 240

tacatatata cgtgtatatata cgtatatgcg tacatatata cgtgtatatata cgtatatgcg 300

tacatatata cgtgtatatata cgtatatgcg tacatatata cgtgtatatata cgtatatgcg 360

tac 363

<210> 194

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(545)

<223> MAR of chromosome 2 genomic contig; 3456187..3456731

SEL PCT 012.ST25

<400> 194

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tatatattat attatatatt tatatattat aatatatatt atattataat atatatattat 120

attataatat attatattat aatatatatt atattattat atattataat ataatatata 180

ttataatata tattatatta taatttatat attatatata ttataatata tattatatta 240

tatatatatt tatattataa tatatattat tatatattat atattataat ttatattata 300

ttacaatata tattataaat atatatatta tattataaat atatatatttt atattacaat 360

atatatatta aatatatatt ttatattaca atatatatta taaatatata tattatatta 420

caatatatat tataaatata tattatatta caatatatat tatattataa tatatattta 480

tatatgatat attatattta atatatatta taacataata tataatata t aatatattaa 540

tataa

545

<210> 195

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(356)

<223> MAR of chromosome 2 genomic contig; 5001567..5001922

<400> 195

tataaaatat atgttatata tataatatat attatataat atataatatata tataatatat 60

aaaatatata aaatatataa tatataatat aatatataat atatatataa tataaaatat 120

atataatata aaatatatat aatatataat atatatataa tataatacat ataatatata 180

SEL PCT 012.ST25

atatataata tataatatat ataatatata atatataata tataatatat ataatatata 240
 atatataata tatataatat ataatatata atatataata tataaatata taaatatata 300
 tacacacata cacacacata tatgcatata tatacatata catgtgtaca tagata 356

<210> 196

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(321)

<223> MAR of chromosome 2 genomic contig; 5457330..5457650

<400> 196

tatacaatat attataaatt atatataatt tatatataat atatattata tataaattat 60
 atataattta tataatatat aaattatata taatataaat tatatataat ttatataata 120
 tataaattat atattatata aattaaatat aatttatatt atatataaat tatatttaatt 180
 ttatataata tataaattat atttaattta tatataatat aaattatatt ttatatatt 240
 atgtataatt tatatattta tacatatata cattataata tattgtatag tatatataat 300
 atatagtata tataaagcat a 321

<210> 197

<211> 361

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(361)

<223> MAR of chromosome 2 genomic contig; 8124469..8124829

<400> 197

tatatataat atatattata tatattatat aaattatata taatatgtaa tataaatttt 60

gtaatatataa ttatatatat aaattatata taatatatat taatatatat aatataaatt 120

aatatatata atatataatt atatataatt tatatgatat atataaatat atattatata 180

taaattatat atatacataaa ttatatatca tataaattat atataatata cattatgtac 240

ataatatatg atatataata tataatatat attatatata attatatata tataattata 300

taatatatat aaattataat atataatata tataaattat aatatataat atataataat 360

t 361

<210> 198

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(418)

<223> MAR of chromosome 2 genomic contig; 11151485..11151902

<400> 198

atgtaactat atatatagta tatatagtat atatatacta tatagtgtgt atataagta 60

SEL PCT 012.ST25

tatatatact atatagtgtg tatatatagt atatatatag tgtatatatc gtatatacac 120
 tatatactat atagtgtata tatagtatat gtagtatata tagtatatat agtatagtat 180
 atatagtata tatagtgtat atatactgta tatatagtgt acatagtata ctatatagta 240
 tacatatagt aactgtata gtatatatag tatagtatat atagtataca tagtatacta 300
 tatatagtat agtatacata gtatactata tagtatatag agtatatata cagtatacta 360
 tatagtatat agagtatata tacagtatac tatatcgtgt gtatagagta tatataca 418

<210> 199

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of chromosome 2 genomic contig; 13591477..13591870

<400> 199

ttatatatat ttatatata ttatatatat ttatatata ttatatatat attatatata 60

tattatatat aattatatat aatatatatt atatatatta tatataatta tatataatat 120

atattatata tattatatat ataatatata tataatatat atattttata tatgtattat 180

atatatttta tatatattat atatattata tatatatttt atatatatta tattttatat 240

atataatata acatatataa tatataatta tatattatat atatattata ttatatataa 300

tatatattat atataatata atatataatt atatatatta tatattttat atattttatat 360

aaaaattatt ttattatttt ttatatataa atat 394

<210> 200

SEL PCT 012.ST25

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1194)

<223> MAR of chromosome 2 genomic contig; 14996824..14998017

<400> 200

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taatatttat atatacatat aaaatttata tataatatat aatatttata tatacatata    60
aaatttatat atatatataa tatttatata tacatatataa atttatatat aatatataat    120
atttatatat acatatataaa ttatatataa atatataata ttatatataa catataaaaat    180
ttatatataa taaatattta tatatacata taaaatttat atataattta tatataacat    240
ataatattta tatataaaaat ttatatataa catatattta tatataattt atataataca    300
tataatattt atataataata tatatttatt tatacaattt atataataata tataataactt   360
atatatacat acataattta tatgatatat atttatataa taatttatat gatataataat   420
atatctaata tatattatat atatttatata tatttatatat aatttatata atatatatta   480
tatatataat ttatataata tatatattat atatataatt tatataatat atatattata   540
tatataattt atataatata tatttatatat ataatttata taatatatat tatatatata   600
atttatataa tatatattat atataattta tatataacat atttatataa catatataat   660
ttatatataa tatatattta catatacata tataattttt atataatata aaatatttct   720
atatacatat ataattttta tataatataa aatatttcta tatacatata taatttttat   780
ataatatata ttctatatata catgtctaatt ttttatataa tatatatttc tatatacata   840
tataattttt atataatata taatattttt atatacataa ttttatata atatatattt   900

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SEL PCT 012.ST25

acatatatcat atataatfff tatataatat atatttatat atatatatat aatffffaca 960
 taatatatat tatatatata tatataatff atatacaaca tataatatat acatatataa 1020
 tttatatata acatatataa tttatgtata catatatatat gtatacaca tatataatat 1080
 ttatatatac atatatataa ttatatgtat atatatatat ataatttata tttatatatat 1140
 atatatgtat aatttatatg tagtatatat acatgtataa tttatatgta gtat 1 194

<210> 201

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(487)

<223> MAR of chromosome 2 genomic contig; 14998429..14998915

<400> 201

tagtatatcat ttacacatac atgtataatt atagtataa tataatatff acatatataa 60
 ttatagataa tatatatffa catatacata tataattata tataatatat aatgtttaca 120
 tatacatata taattatata taatatatat ttaatatatac atatacaatt atatatataa 180
 tatatttaca tatgcatata taattataga taatatatat ttacatatatac atatatataa 240
 atatatataa tataatgfff acatatatcat atataattat atataatat tatttaaata 300
 tacatatata attatatata atatatatff acatatgcat atataattat agataatatata 360
 tatttatata tacatatata attatatata atatatataa ttacatatata catatatatat 420
 gtatatataa tatatatatat ttacatatatac atatatataa ttatatatat atatatata 480
 tatatta

487

SEL PCT 012.ST25

<210> 202

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(421)

<223> MAR of chromosome 2 genomic contig; 16562490..16562910

<400> 202

tatatgaata tatatatgaa tatatacgta tatatgaata tatacatgta tgtatatatg 60

aatatatgta tatatatgaa tatatatgta tatatgaata tatgtatata tatgaatata 120

tatgtatata tgtatatata tgaatatata tgtatatatg tatatatatg aatatatatg 180

tatatatgta tatatgtata tatatgaata tatatgtata tatgaatata tatgaatata 240

tatgtatata tatgaatata tatgaatata tgtgtatata tatgaatata tatgtatata 300

tatgaatata tgtatatata tatgaatata tatgtatata tgtatatatg aatatatatg 360

tgtatatgaa tatatatatg aatatatatg tgtatatgaa tatatatgaa tatatatgtg 420

t 421

<210> 203

<211> 479

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(479)

<223> MAR of chromosome 2 genomic contig; 21592301..21592779

<400> 203

tatatgtata cgtatataat atattatata ttatatacgt gtacgtatat atgtaatata 60

taatgtatat gtacacgtat ataatatata atatattata tacgtatacg tatacattat 120

atattacata tatacgtata tacgtatata aatatatgt atatattata tatacgtata 180

taatatatat tatataatat ataatatata cgtatacata taatatatta tatatacata 240

ttatatatta tatatttaa ttatatatta tatcatatat aatatatatg atataatata 300

taatatacat atattacata atatattatta tatacatata catatataat atataatata 360

ttatatocat atacatatat aatatataat atattatata catatacata tataatatat 420

aatatattat atacatatac atataataa tataatatat tatatatata tattatata 479

<210> 204

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(870)

<223> MAR of chromosome 2 genomic contig; 22557584..22558453

<400> 204

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SEL PCT 012.ST25

atatatgtat atttatata tgtatattt atatatatt tatatattt atatatatgt 120
 atatttata tataatatat atattgtata taataatata taatatatta tattatatat 180
 aatatatata atatatatat aatatatat tatatataat atgtataata tataatattt 240
 tatatataat atgtataata tatattttat atataataat atgtacaata tatattttat 300
 atataataat atgtacaata tatattttat atataataat atgtacaata tatattttat 360
 gtataatatg tataatatat attttatgta taatatatat ttatgtata atatatattt 420
 tacgtatatt ttatatataa tatataatat ttatatata atatatataa ttatatatat 480
 aatatataat attatatata ttatatattt tatatataat atatatataa atatatattt 540
 tatatataat atattttata tataatatat ataaatatat atattatata taatatattt 600
 tatatataat atattttata tataatatat aatatattt atatatataa tataatatat 660
 tatatattat atataatata ttatatataa tatataatat ataatatatt atatatataa 720
 tataatatat aatatattat atataatata taatatataa tatataatat attatatata 780
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 tatatataat atataatata taatatataa 870

<210> 205

<211> 1086

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1086)

<223> MAR of chromosome 2 genomic contig; 30591960..30593045

<400> 205

SEL PCT 012.ST25

gtatatataa tatatattat attatgttat atattatgta gactatgtat taaatatatg 60
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 aatatatttt tctaaatatt tatatattat atattatatt taatgatata taataaatat 180
 atttctaata tttttatat ttataaatat ttatatata ttatatattt tatatatatt 240
 atatattata tatttatatat ttatatata ctatatatta tatagtatat attttatata 300
 tactatatat tatatattat atattttata tatactatat attatatatt atatatttta 360
 tatatactat atactattta ttatatattt tatatatatt atatactatt tatttatatat 420
 ttatatata ctatatatta ttattatat attttatata tactatatat tatatattat 480
 atattttata tataatatat attattata tttttatat attatatata ttatatatta 540
 tatatttata tatttatataa tatatattat atatagaata tataatatat attatatata 600
 atataatata atatataatta tataaaatat atataatata taaaatatat aatatatgat 660
 atatataata tatattctat atttatatat atatatttaa tatttatatta atatataatt 720
 atatattatc atagtataa atagatatata tatgtaatat ataaattata attatatatt 780
 aatattatat attatttaatt atgtatatatt acacatatat taattattaa atatatatat 840
 ttaatatatt aaatattatg tattaaatat atataatata ttataaata ttttatatat 900
 aatatatata tatattaaca tatatgtata tatgtatata ttatatataa cattatatat 960
 attatgttac atatactata ttttatatgt tacatatatt atatattata ttttatatat 1020
 aatatatata acatatatta taatatgttaa catattatat ataacatatata atatatagta 1080
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<210> 206

<211> 406

<212> DNA

<213> Homo sapiens

<220>

SEL PCT 012.ST25

<221> misc_binding

<222> (1)..(406)

<223> MAR of chromosome 2 genomic contig; 36233909..36234314

<400> 206

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tagatattat agatatagat ataatagata ttatagatat tatagatata atatatatta 120

tagatattat agatataata tatattatag atattataga tataatatat attatagata 180

ttatagatat aatatatatt atagatatata tatatattat agatattata gatatagata 240

ttatagatat tatatatatt atagatatata tatatattat agatattata gatatagata 300

ttatagatat aatatatatt atagatatata tagatataat atatatata gatattatag 360

atataatata tattatagat ataagatata ttatagatat tacaga 406

<210> 207

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(797)

<223> MAR of chromosome 2 genomic contig; 36271745..36272541

<400> 207

atataaacat atacgtatat acacatatat acaaatacat atatacatat attatatata 60

tgtatatata ttatattata catatattat atatatatta tattatacat atatacatat 120

SEL PCT 012.ST25

acacataaac atattacata catatacaaa ttatacacat atacatatat acatatatgt 180
 atatacatatc attatatata aatatatgta tataaaatgt acattatata tacatatata 240
 ttatgtataa ataatatata aaataaacat aatatatatt tatagatatg atatatataa 300
 tatatatgta tacatatata catatatgta tatataatgt acattatata tacataaaca 360
 tcatatataa atgttatata tataatataa atatatataa tatataatat atactttata 420
 tactatatat aatatatata atagtatata acatatataa tatataactat atataatata 480
 tactatatat actgtatata atatatataa taatatatac tatataact aaatataata 540
 tacataatat aatatatact atatatataa tataatatat aatatagtat atataactata 600
 tataataatt acatattata tattatacat tatatattat ataattatta tatataatta 660
 tatattacat actttgtata taatgtaaat atacattaga atatatatg tatatatatg 720
 tacatatata atgtatatat gtatacatia tataaactat atataaacat tatattatat 780
 aaacattata tataaac 797

<210> 208

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(423)

<223> MAR of chromosome 2 genomic contig; 36498521..36498943

<400> 208

tattatatta tatatttaat attatatatt taatatatta tatatttaat attatatatt 60

taatatatta tatatttaat attatatatt taatatatta tatatttaat attatatata 120

SEL PCT 012.ST25

taatatatta tatatttaaat attatatata taatattata tatataatat tatatattta 180
 atattatata tataatatta tatatataat atattatata tttagtatta tgtatttaaat 240
 atattatata tttagtatta tgtatttaaat atattattta tttagtatta tatatttaaat 300
 atattattta tttagtatta tatatttaaat atattatata tttaatatat tatatattta 360
 ttatatattg tatatttaaat atattatata ttattatat attatatata attatatatt 420
 taa 423

<210> 209

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(304)

<223> MAR of chromosome 2 genomic contig; 37179891..37180194

<400> 209

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 atatatatgt gtatatatat catatatata tcatatatgt gtatatatca tatatattat 120
 atatcatata tgtgtatatata tatcatatat tatatatcat atatatgtgt atatatcata 180
 tatattatat atatctcata tgtgtatatata tatcatatat aatatatatg tgtatatatc 240
 atatatcata tataacatat atatgtgtat atatcatata tataacatat atcatatatg 300
 tgta 304

<210> 210

<211> 693

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(693)

<223> MAR of chromosome 2 genomic contig; 38440448..38441140

<400> 210

tatatattct ttatataatt atatataata tatattcttt tatatattat atatagtata 60
 tattctttta tatattatat atagtatata ttcttttata tattatatat agtatatatt 120
 cttttatata ttatatatag tatatattct ttatatatt atatatagta tatattcttt 180
 tatatattat atatagtata tattctttta tatattatat atataatata tattctttta 240
 tatatcatat ataatatata ttcttttata tattatatat aatatatatt cttttatata 300
 ttatatatca tgtatatata atatacaaaa tatatataga ttttatatat agattattac 360
 ataatagaat atattatata ttatatataa tatatacata atatataata ttatatatga 420
 tataatatat atcatatata tcatataata tatattatat atcatatatt atatataata 480
 atatatagat tatatataat tatatatata atatatataa ttatatatat tatctatata 540
 tagataatat atataattat atataatata ttatatagat tatatataat tatattatat 600
 acaaaatcta tatataatat atattatatt atatataata tacataacta tataaaaaat 660
 ataatatata atatatatata tatataatat ata 693

<210> 211

<211> 471

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(471)

<223> MAR of chromosome 2 genomic contig; 38887582..38888052

<400> 211

aacatatata ctatatatat tatatactat attatatatt atatataaa acatatatac 60

tatatataat atataaacat attatattat acatgatata gataaacata tatattatat 120

ataatataga taaaatatgt tatatataat ataattgata gacatatatt atatatacat 180

atatctaca tatattatat atatattcta cacatattat attatatata catatatatt 240

acatatatta tatatacata tattctacat atattatata tacatatatt ctacatatatac 300

atatatacat atattatata tacatatatt atagatatat aatatataaa catatataat 360

attattatat ataatatata taataatatt atataatata taataatatt atattttata 420

tataaataat atatattatt tatatatata atattatata tatataatat a 471

<210> 212

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1221)

<223> MAR of chromosome 2 genomic contig; 43885944..43887164

SEL PCT 012.ST25

<400> 212

catataaaca tatattatat gtaacatata aacatattat atgtaacata taatatataa 60
 tatataaaca tatattttat atatttatatg ttacatataa tatataatat ataaacatat 120
 attatatatt atagtaaca tataatatat aatatataaa catatatattt atatataata 180
 tataaacata ttttatatat aatatataaa catattttat atataatata taaacatata 240
 ttttatatat aatatataaa catattttat atataatata taaacatata ttttatataa 300
 tatataaaca tataatatat ataatatata aaagtatata atataaatat atataatata 360
 aacatatata atataaatat atataaaata taaacatatg taatatataa acatatatta 420
 tatataatat ataaacatat attatacgta caatatataa acatatattg tacgtacaat 480
 atataaacat atatttatcg tacaatatat aaacatatat tatacgtaaca atatataaac 540
 atatattata cgtacaatat ataaacatat attatacgta caatatataa acatatatta 600
 tacgtacaat atataaacat atatttatcg tacaatatat aaacatatat tatacgtaaca 660
 atatataaac atatattata cgtacaatat ataaacatat attatacgta caataaacat 720
 atatttatcg tacaatatat aaacatatat tatacgtaaca atatataaac atatattata 780
 cgtacaatat ataaacatat attgtacgta caatatataa acatatatta tatgtataat 840
 atataaacat ataatatata atatatttta tatatatgtt tatttatatat gtttatatat 900
 tatatataac atatattatt atatttatata tgtttatata ttatatatta tataatatat 960
 atgtttatat attatatatt atataatata tatgtttata tatttatatat tatataatat 1020
 atatgtttat atatttatata ttatataata tatatgttta tatattatat attatataat 1080
 atatatgttt atatattata tattatataa tatatatgtt tatatattat atatttatata 1140
 atatatatgt ttatatatta tatattatat aatatatatg ttatatatt atataaataa 1200
 taaacttaca tattttatta a 1221

<210> 213

<211> 543

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(543)

<223> MAR of chromosome 2 genomic contig; 45818200..45818742

<400> 213

tatgtatatata tacatatata ttatacatg tatatatgta tatatacata tatatttata	60
catgtatatata tatacatata ttttatata tgtatatata tacatatata ttatacatg	120
tatatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta	180
tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta	240
tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta	300
tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta	360
tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta	420
tgtatatata catgtatatt tatacatgta tgtatatata catgtatatt tatacatgta	480
tgtatatata catgtatatt tatacatgta tgtatatata catgtatatt tatacatgta	540
tac	543

<210> 214

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(463)

<223> MAR of chromosome 2 genomic contig; 47055478..47055940

<400> 214

atacatacat atatacatat atacacatat atacatatata tacacacata ttacatatata 60
 tacacacata tatacatata tacatatata cacatatata catgcataca catatatata 120
 tatatacaca catatacaca catatatata tatatacaca tatatacaca tatacacata 180
 tatacacaca tatacatata tacacatatata tacatatata catatatata cacatatata 240
 catatatata tatacacata tatacacata tacatatata cacatatata cacatatata 300
 catatatata catatatata tatatacaca tatatacaca catatacaca tatatacata 360
 tatacatatg tatacacata tatacatatg tatacacata tatacacata tacatatata 420
 catacacata tatacgtata tatgtgtata tatacacata tac 463

<210> 215

<211> 2482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2482)

<223> MAR of chromosome 2 genomic contig; 47492696..47495177

<400> 215

aatatatata aaatatatta tattctatgt aatatataga atatataaaa tatattctat 60
 atattatata gaatatatat ttataatat atattattta tatattttta tatatttata 120

SEL PCT 012.ST25

ttatttatat atttatatat aatttatata atttatatat ataatttata tataatttat 180
 ataaattata tatataatt atataaatt tatatataat ttatataaat tatatatata 240
 atttatatat aatttatatg atttttatat ataatttata tataatttat ataattttta 300
 tatataatt atataaatt tatataatt ttatatataa ttatatataat atatatatat 360
 aatttatata taatttatat aatttatata tataatttat atataattta tataatttat 420
 atataaatt tatatataat ttatataatt tatatatata atttatatat aatttatata 480
 atttatatat ataatttata cataatttat ataatttata tatataatt atataattta 540
 tatatataat ttatatatat aatttatata atttatatat atgatttata taatttatat 600
 atataattta tataatttat atatatataat tatatatata atttttatat aatttatata 660
 ttataaatt atataatttat ataatttata tatttataat ttatatatt atataattta 720
 tatatttata atttatatat ttatataatt tatatataat tattcatata ttatatataat 780
 ttacatatata ttatttatat attcatatat aatttatata ttatatata atttatatat 840
 aattatttac atatttatat atttatatat aatttatata tatttatata taatttataa 900
 ataaaatata taatatataa tatataatat tataatagat aaaatatata ctatatatta 960
 tatattttac atttatattta atatttatatg tataattttta tatcatatat aatatatatg 1020
 atatatataa ttatatatca tatataatat ataggtata tataattttta tatcatatat 1080
 aatatatatg gtatatataa ttatatatca tatataatat atgatatata attttatatc 1140
 atataatata tatttatatat aattttatat ctacatatata tatatttat atacaatttt 1200
 atacttatct ataatatata ttatatatac aattttatat ctatatata tatatttat 1260
 atacttttat atttatata aaatgtatat tatatatatct ttatatatt atataaaatg 1320
 tatatttat ataattttat ttatatata aaatgtatat tatatataat ttatttttat 1380
 atataaaatg tatatttat ataattttat ttatatata aaatgtatat tatatataat 1440
 ttatttttat atataaaatg tatatttat ataattttat ttatatata aaatgtatat 1500
 tatatataat ttatatatt atataaatg tatatttat ataattttat atttatata 1560
 atatgtatat tatatataat ttatatatt atataaatg tatatttat ataattttat 1620

SEL PCT 012.ST25

attatatata atagtatat tatatataat ttgtattat atataatag tatattatat 1680
 ataattttat attatatata atagtatat tatatataat ttatattat atataatag 1740
 tatattatat ataattttat attatatata atagtatat tatatataat ttatattat 1800
 atataatag tatattatat ataattttat attatatata aaagtatat tatatataat 1860
 ttatattat atataatag tatattatat ataattttat attatatata atagtatat 1920
 tatatataat ttatattat atataaaatg tatattatat ataattttat attatatata 1980
 aaagtatat tatatatatt atataaaaa tgtatttat atatattata tataaaatgt 2040
 atattatata tattatatat aaaatgtata ttatatatat tatatataaa atgtatatta 2100
 tgtatttat atataatgta tattatgtat attatatata atgtatatta tatataatat 2160
 atattatata taatgtatat tatataatat atattatata ttatatata taatatatat 2220
 tatatttat atattatata taatatatta tatattatat attatatatt atatataata 2280
 tattatatat tatattaaat atatatttta tatattatat attatatatt atataaaata 2340
 tatatttat atattatata aaatatatat atattatat atatattata ttaatatat 2400
 atttatata taatatatat aatatataat atataaaata tatattatat attatatata 2460
 aattatatat attatatata aa 2482

<210> 216

<211> 539

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(539)

<223> MAR of chromosome 2 genomic contig; 47561069..47561607

SEL PCT 012.ST25

<400> 216
 aacagtaata taccactaat atataataat atataacagt aatatatcat taatatataa 60
 tatatcatta gtatataata ttaatataata ttaatataata atatatcata tacaatatta 120
 atatatatta atatataata atatattatt aatgtataat agtaatatataa tatattatca 180
 atatatatta ctaatatata ataatatatc gttaatatat aatagatcat taatatataa 240
 tgttaataata ttatgaatag ataatatatc agtatataat attaatatat taatatatta 300
 tatattattt aataatatat aatatattaa taaataatta tatattaata tagcaatata 360
 ttaatatatg actgtattat attattaata tataacaata tattatatat tatataataa 420
 ttattatat aatatataat aatatattat atattatata acatattaat aatacataat 480
 aacattaata atatataata atgttaatat attattatat tatatatataa tatataata 539

<210> 217

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(336)

<223> MAR of chromosome 2 genomic contig; 52853648..52853983

<400> 217
 tatatacata aaatatatat attttatata tatacataat atatatatgt atattttatg 60
 tatatatcta taatatatat aatataataa aatatacata tatattttat atatatataa 120
 tatacatata aaatatacat acataaaaata tacatgtata tttatgtat atataatata 180
 tatataaaat atacatgtat attttatata tataatatatc atgtataatt aatatacatg 240

SEL PCT 012.ST25

tatgttatat atattacatg tatattatat ataataaca tataaatttt aaatttagtg 300

tatattacat gtatattata tataatatat gtatat 336

<210> 218

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(406)

<223> MAR of chromosome 2 genomic contig; 54866263..54866668

<400> 218

tacgtatata aaaatgtata ttacatata taaaataaat attttatata cgtatataaa 60

atatatattt attttatata cgtatataaa atatttattt tatatatgta tataaaatat 120

ttattttata tacatgtata ttaaatatat atttatatat gtatatataaa atatatatta 180

tatacatgta tataaaatat atatttatata tgtatatataa aatatatatg tatataaaat 240

atatatatta tatagatata taaaatatat atttatataga tatataaaat atatatatta 300

tatagatata taaaatatat atatttatata gatatatataa atatatatat tatatagata 360

tataaaatat atatattata tagatatata aaatatatat attata 406

<210> 219

<211> 1452

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(1452)

<223> MAR of chromosome 2 genomic contig; 55113305..55114756

<400> 219

ataatatata atatatttg tatattatat tattatatat tatatattat taaatatata 60
 tattatatta tatattatat aatatatatt atatataata atatagaata tataattata 120
 tattatatta tatattatat aatatatatt atatataata atatagaata tataattata 180
 tattatacta tatattatat aatatatatt atatataata atatagaata tataattata 240
 tattatataa tatgtgaata atgtaata taattatatt attacatat tatataatat 300
 ataattatat tatataatat ataattatat ttttgata ttatatataa catatacatt 360
 atattatata taatataatt atatataatt aattataaat taattatata taattatata 420
 atataatata taatatacat aatatataat atataatata taatatacat aatataatat 480
 atattatata taatataata tatataatat aatataatat aatgtataat ataattatat 540
 attatatata atatataatg ttatatatt atattatatt atataattaa ttatatgtaa 600
 ttaatataat ataattatta tatataatt ttatatatt ataatatata attatataat 660
 ataatatatt tatattatat tatataatat atatattata tataatataa tataattata 720
 ttatatatt atataatata atataattat atattatatt atataataaa tataattata 780
 taatataata tgattatata atatattatg tatattatat attatatatt gtattatgta 840
 tattatatat tatatattat gtatattata tattatgtat attatatatt atgtatatta 900
 tatattatat attatattat gtataatata ttatgtatgt tatatataat ataaattata 960
 ttatatatta tgtatattat atataaatta tattatatat tatgtatatt atatataata 1020
 taaagtatat attatgtata ttatatataa tataaagtat atattatgta tattatatat 1080
 aatataaagt atatattatg tatattatat ataataaaa gtatatatta tgtatattat 1140

SEL PCT 012.ST25

atataatata aagtatatat tatgtatatt atatataata taaagtatat attatgtata 1200
 ttatatataa tataaagtat atattatgta tattatatat aatataaagt atatattatg 1260
 tatattatat ataataataa gtatatatta tgtatattat atataatata aagtatatat 1320
 tatgtatatt atatataata taaagtatat attatgtata ttatatataa tataaagtat 1380
 atattatgta tattatatat aatataaagt atatattata tgtataaat tatatattgt 1440
 tatatattat at 1452

<210> 220

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(502)

<223> MAR of chromosome 2 genomic contig; 56350637..56351138

<400> 220

atatattata gaaatataaa tatatagata tatctatata ttatagaaat ataaatatat 60
 agatataatct atatattata gaaatataaa tatatagata tatctatata ttatagaaat 120
 ataaatatat agatatacct atatattata gaaatataaa tatatagata tacctatata 180
 ttatagaaat ataaatatat agatatacct atatattata gaaatataaa tatatagata 240
 tatctatata ttatagaaat ataaatatat agatataatct atatattata gaaatataaa 300
 tatatagata tatctatata ttatagaaat ataaatatat agatataatct atatattata 360
 gaaatataaa tatatagata tatctatata ttatagaaat ataaatatat agatataatc 420
 aacatatatg ttacatatta tatattatat atctatatat ctatataaca ttatatatct 480

SEL PCT 012.ST25
502

atatatctat ataacatata ta

<210> 221

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(794)

<223> MAR of chromosome 2 genomic contig; 57051633..57052426

<400> 221

aactatatat actatattat atagttatac tatatatact atattatata gttatataac 60
tattatataa ctgtattata tagttatata actattatat aactgtatta tatagttata 120
taactattat ataactgtat tatatagtta tataactata ttatataact gtgttatata 180
gttatatatt atataactat attatataac tgtattatat agttatatat tatataacta 240
tattatataa ctgtattata tagttatata ttatataact atattatata actgtattat 300
atagttatat attatataac tgtattatat agttataaaa ctatattata taactgtatt 360
atatagttat aaaactacta tataactgta ttatataaatt ataaaattat actatataac 420
tgtattatat agttataaaa ctataactata taactgtatt atatagttat aaaactatac 480
tatataactg tattatatag ttataaagct atactatata actgtattat atagttatat 540
aactatacta tataactgta ttatatagtt ataaaactat actatataac tgtattatat 600
agttataaaa ttatattata taactgtatt atatagttat ataactatat tatataactg 660
tattatatag ttatataact atattatata agtgtattat atagttatat aactatatta 720
tataactgta ttatacagtt atataactat attatataac tgtattatat acttatataa 780

SEL PCT 012.ST25
794

ctatattata taac

<210> 222

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(300)

<223> MAR of chromosome 2 genomic contig; 57069272..57069571

<400> 222

acacatacat atatgtatat atgcacacac atatatatgt atatatacac atacatatat 60

gtatatatac atatatgtat atacgcacat acatatatgt atatatacac gtacatatat 120

gtctctatat atacacatac acatatgtat atacatatat gtgtatatat acacaatcat 180

atatgtatat acatatatac acatatacac aaacatatat gtatatatac atatgtatat 240

acatatatac acatatacac aaacatatat gtatatatac atatgtatat acatacacia 300

<210> 223

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

SEL PCT 012.ST25

<223> MAR of chromosome 2 genomic contig; 57235143..57235512

<400> 223

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tattttata tataactata tatatttat atataaatta tatatatgat catatatata    60
atcatatata taatcatata tgattatata tgatcatata tatatttata tatataatta   120
tatatactta tatataatta tatatatatt tatatatata attatgtata cttatatata   180
tttatatata taattatata tacaatttat atatataatt atatataatt tatatataat   240
tatatatata aattatatat aagtatatat aattatatat atgtttatat ataattatat   300
atataaatga tatgtataat atataactat atataattat atataaatat atatatagat   360
tttatatata                                     370
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<210> 224

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(306)

<223> MAR of chromosome 2 genomic contig; 57693125..57693430

<400> 224

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tacgtatata cacgtataaa tataaatata tacatgtata tacgtatata catgtataaa    60
tataaatata tatatgtata tacgtatata catgtataaa tatatatatg tatatacgta   120
tatacatgta taaatatata tatatgtata tacgtatata catgtataaa tatatataca   180
tgtatatacg tatgttgtgt atacatacaa atctgtacat atatacatat atgttgtgtg   240
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SEL PCT 012.ST25

tatatataca tctatacatg tgtatgcgta tatatgtata tgtatatata gtatatataa 300

tacatg 306

<210> 225

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(500)

<223> MAR of chromosome 2 genomic contig; 59810331..59810830

<400> 225

ttattatat gtaatatata ttgtattatt atatatatta tatataatat atattgtatt 60

attatatata ttatatataa tatatattgt attattatat atattatata taatatatat 120

tgtattatta tatatattat atataatata tattgtatat tatatatatt atatattata 180

ttattatata ttatatatat tatattatta tatattatat attatatata ttatattata 240

tattatatat tatattatat atattatatt atatattata tattatatta tatatattat 300

attatatatt atatattata ttatatatat tatattatat atattatata ttatatatta 360

tatatattat atattatata ttatatatat tatatattat atataatata tattatatta 420

ttatataata ttatatatta tatatattat atattatata taatatatat tatattatta 480

tataatatta tatattatat 500

<210> 226

<211> 565

<212> DNA

SEL PCT 012.ST25

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(565)

<223> MAR of chromosome 2 genomic contig; 59974589..59975153

<400> 226

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atatatgtat aatatgtata tatgtatata ttatgtatat gttatatatg taatatatgt    60
atgtatatat tatatatcat atataatata taatgtgtat atatgtatat atgtatgtat   120
acatgtatat actatgtata tattgtatat attatatatg tatatataca tatacatata   180
taatatatac atatattata tacaatatat acatgtatat tatatacgat atatacatat   240
atattatata caatatatac atagtatata aatgtataca tacatacata tatacatatt   300
atatatgtat atagtataac ataaatgtat atataatata tatacatata taaatgtata   360
catacgtaca tatacgtata tgtatatgca tatatgtata tatgtgcata catatatatg   420
tatatacata tatgtacata tgtacatata cgtatatatg tacatatgta catatacgta   480
tatatgtaca tatgtacata tacgtatata tgtacatatg tacatatatcg tatatatgta   540
catatgtaca tatatacata tatat                                     565

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<210> 227

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(427)

<223> MAR of chromosome 2 genomic contig; 60605573..60605999

<400> 227

tatataatgt atataatgga tatagatata gatagatata tatattttat ataatatata 60

ttatatatta tatataatat atgttatata tattatatat ttatatatat atatatatta 120

tataaattat atatatataa tatataatat atatattata tatattttat ataatatata 180

ttatatatta tctattatat atttatata atatatatt tatataatat ataatatata 240

atatatattt tacataatat ataatatata atacgtatta tatataatat ataatacgta 300

tttatataa tatataatac gtattatata taatacgta tatatattat ataatatata 360

atacgtatta tataatatac gtaattatat ttattataa tacgtattat atattatata 420

atatata 427

<210> 228

<211> 1199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1199)

<223> MAR of chromosome 2 genomic contig; 61229949..61231147

<400> 228

gtatacatat ataaagtgtat tatataatgt atatacatat atacatatat aaagtatata 60

tataatatat acatatataa agtatatata taatatatac atatatataag tatatatatat 120

SEL PCT 012.ST25

atatacatat ataaagtata tataatatat acatatataa agtatatata tcatatatac 180
atatataaag tatatatata atatatacat atatacatat ataaagtata tataacatat 240
atacatatat aaagtatata taacatatat acatatataa agtatatata taatatatac 300
atatatacat atataaagta tatataacat atatacatat atacagtata tataacatat 360
atacatatat acagtatata taacatatat acatatatac agtatatata acatatatac 420
atatatacag tatatataac atatatacat atatacatga agtatatata acatatatac 480
atatatacat gaagtatata taacatatat acatatatac atgaagtata tataacatat 540
atacatatat acatgaagta tatataacat atatacatat atacatatat aaagtatata 600
taacatatac atatatacat atataaagta taacatatac atatatacat atataaagta 660
tatataatat ataacatata catatataaa gtatatataa tatataacat atacatatat 720
aaagtatata taatatataa catatacata tataaagtat atataatata tacatatata 780
catatataaa gtatatataa tatatatata catatataaa gtatatataa tatatatata 840
tatatacata tataaagtat atataatata tatacatata taaagtatat ataatatata 900
tacatatata catatataaa gtatatataa tatatatata tatatacata tataaagtat 960
atataatata tatacatata tacatatata aagtatatat aatatatata catatatata 1020
tatataaagt atatataata tatatacata tatacatata taaagtatat ataatatata 1080
tacatatata catatataaa gtatatataa tatgtatata tatatacata tataaagtat 1140
atataatatg tatacatata tacatatata aagtatatat ataatatgta tacatatat 1199

<210> 229

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(454)

<223> MAR of chromosome 2 genomic contig; 62181058..62181511

<400> 229

tatatatcat atattatata tgatatatat tatgtatata atacatatta tatataataa 60

atatttatta tatatgatat atattatgta tataatacat attatatata ataaatatat 120

attatattat atataataaa tatatattat attatatata atatatattt atatataaat 180

atattatata taaatatata ttatatataa aatatttata tattatatat aaatatatat 240

tatatataaa tatttatata ttatatataa atatttatat attatatata aatatttata 300

tatttatat aaaatatatt atatatatta tatatattat atattatata taatatattt 360

aatatataat atataaacat atattatata taatatataa acatatataa atatatttat 420

atataataga taaaaatata tataatatat ataa 454

<210> 230

<211> 658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(658)

<223> MAR of chromosome 2 genomic contig; 62190919..62191576

<400> 230

tatatacaca actatatata taactatata tataacaacta tatatacaac tatatatata 60

actatatata taactatata taactatata tataactata tataactata tatataacta 120

SEL PCT 012.ST25

tatatataac tatataaact tatatatata actatatata actatatata actatatata 180
 taactatata tataaactata tatataacta tatatataac tatatatatact atatatataa 240
 ctatatatat ataactatat atataactat atatatataa ctatatataa ctatatatat 300
 ataactatat atataaactat atatatataa ctatatatat aactatatat atataactat 360
 atatatataact atatatatat aactatatat aactatatat atataactat atatatataact 420
 atatatatat aactatatat ataactatat atatatataact atatatataa ctatatatat 480
 ataactatat atataaactat atatatataact atatatataa ctatatatat ataactatat 540
 atataactat atatatataa ctatatatat aactatatat ataactatat atataactat 600
 atatatataa ctatatatat aactatatat atataactat atatatataact atatatat 658

<210> 231

<211> 1486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1486)

<223> MAR of chromosome 2 genomic contig; 62384127..62385612

<400> 231

attatatcta atctattata tattatatct aatacatatt atatctaact tattgtatat 60
 tatatctaact atataatata ttatatataa tatattatat attatatatt atatacaata 120
 tattatatat tatataatat ataatatatt atatatataa tattatatct aatatattac 180
 atattatatac taatctatta tagatataat atgtaatatata ttatatatta tatctaataag 240
 atattagata taatatataa tatattatta atataatata ttatatataa tatataatat 300

SEL PCT 012.ST25

aataatatat aatatatatt attggaata tataatatat aattaatat atatattata	360
tataattatt atgaataata tatcatatat aatatctagt atattatata ttaataacat	420
ataaatatta tattaataat aaataacata ttaatattat attaataata tataatatat	480
taatattata ttaataatat ataataact aatattatat taataatata taatatata	540
atattatatt aataatatat aatatactaa tattatatta ataatatata atatactaat	600
attatattaa taatatataa tatataata tattaagaat atataatat ctaatatatt	660
aagaatatat aatatactaa tattatatta ataatatata ttatatattaa taatatatta	720
attattatta attaattatt aataattata taatattgat tatattaata ttatcaattt	780
aataatattg attatatatt atatattata tattatatat tatatattat atattatata	840
ttatatatta ataatatata ttagatataa tataatatat taataatata taagatataa	900
tataatatat taataatata tattagatat aatataatat attaataata tatattagat	960
ataatatat atattaataa tatatattag atataatat atattatatt aatatatatt	1020
agatgaata taatatatta ataatatata ttagatgtaa tataatatat taataatata	1080
tattagatgt aatataatat attaataata tatattagat gtaatatat atattaataa	1140
tatatattag atgaatatata atattatatt aatatatatt agatgaata taatatatta	1200
ataatatata ttagatgtaa tataatatat taatatatat tagatgtaat ataatatatt	1260
aataatatat attagatata atataatat ttaataatat attagatata atataatat	1320
ttaataatat ataagatata atataatat ttaataatat ataagatata atataatat	1380
ttaataatat ataagatata atataatat ttaataatat atattagata tataatatat	1440
taataatatat tattagatat ctaatatcta ttagatatct aataga	1486

<210> 232

<211> 333

<212> DNA

<213> Homo sapiens

SEL PCT 012.ST25

<220>

<221> misc_binding

<222> (1)..(333)

<223> MAR of chromosome 2 genomic contig; 62538649..62538981

<400> 232

ttatatatat tatatatata tttttatat atatattata tatatatattt atatatatat 60

tatatatata ttttatatat atattatata tatattttat atatatatatta tatatatatt 120

ttatatatat tatatatata ttttatatat attatatata tttttatat atatattata 180

tatatatattt atatatatat tatatatata ttttatatat atattatata tatattttat 240

atatatatatta tatatatatt ttatatatat attatatata tttttatat atatattata 300

tatatatattt atatatatat tatatatata ttt 333

<210> 233

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(480)

<223> MAR of chromosome 2 genomic contig; 63240325..63240804

<400> 233

tatatataaa atatatatatt tttaaataata aaatatatat atattttaat attaatatat 60

atatatttta atatataata tatatatatt atattttata tataaaatat atatattata 120

SEL PCT 012.ST25

tattttatat ataaaatata tatattatat attttatata ttaaaatata tattttatat 180
 attttaatta ttaaaatata tatattatat attttaaata taaaatatat atattatata 240
 tttaaatata taaaatatat atattatata tttaaatata taaaatatat atattttata 300
 ttatatatata taaatataata tattatatat tttaatatat aaaatatata tattatatat 360
 tttaatatat aaaatatata tattatatat tttaatatat aaaatatata tattatatat 420
 tttaatatat ataaaatata tatattatat attttatata tattaatat atattttata 480

<210> 234

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of chromosome 2 genomic contig; 63935480..63935781

<400> 234

atatatataa atatatatat aattatatat agatatatat aattatatat agatatatat 60
 attctatatt ctatatatat ataatatata atatataaat tatatataga atatatatta 120
 tatataatat attatatata ttatatataa tatatatatt atatatatta tatataatat 180
 atatattata tatattatat ataattata tatattatat atagaatata tattatatat 240
 agaatataga atatatataa tatatataga atacagaata tatatagaat atagaatata 300
 ta 302

<210> 235

<211> 407

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(407)

<223> MAR of chromosome 2 genomic contig; 63935888..63936294

<400> 235

tataatatat taatataata tatagacagt atataatata atatacagac agtatataat 60

atacagacag tatataatat ataataattat atataatatt atataataa ttatataata 120

tattatatta tatatattat ataataatatt atattatata taatatatgt aatattatat 180

attatattat acataatata ttatatataa tatattatat ataataattat atatattata 240

tataatatat ataataataa tattataata tataatatat aatagtacag tatatattat 300

atatataatt ctatatataa tatatagaat tctatctatt tataatatat atagaattct 360

atatataata tataatatatc agaattctat atatattata tatagaa 407

<210> 236

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of chromosome 2 genomic contig; 66958350..66958651

SEL PCT 012.ST25

<400> 236

tattatatat attgtatata tatgtatatt atatatattg tatatataat gtatattata 60

tatattatat atatatgtat attatatata ttgtatatat atgtatatta tatatattgt 120

atatatgtat atgtatatat gtatgtgtat atatatcac atatacacat atagtgtat 180

gtatatatat gtgtgtatat acgtatatat acatatatac aatttttgta tatatacata 240

tatacacata tatatgtgta tgtgtatata tatacacata tatgtgtgtg tatatacaca 300

ta 302

<210> 237

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(651)

<223> MAR of chromosome 2 genomic contig; 68307125..68307775

<400> 237

gatattatat attgtatata ttatatatgt atataatata ctattatata ttatatatgt 60

atataatttt attaatatat atattatatt atattatata ttatattata ttatattata 120

tatataatat taatattata tattattata tattatatta tattaatatt atatatatat 180

aatatatata atatatataa tagtattata tataatatat ataatagtat tatatattat 240

atatatatata tactattata tatattatat ataatagtat tatatatatt atatatataa 300

tactattata tataatatat actattatat aatatatata atactattat atatattata 360

SEL PCT 012.ST25

tataatacta ttatatataa tatatataat actattatat ataatatata taatactatt 420
 atatataata tatataatac tattatatat aatatatata atactattat atataatata 480
 tataatacta ttatatataa tatatatatt atatataatt atattaatat ataatagtat 540
 catatataat aatagtatat ataatatata atatatatat tatatatatt ataatagtat 600
 atataacata taatatagta tatatatatt atattatata taaaatattt a 651

<210> 238

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(367)

<223> MAR of chromosome 2 genomic contig; 68308243..68308609

<400> 238

atatatatat atgagtcac catacacata tatatatata atgtttatat atataatgta 60
 tatatatat gtttatatat aatgtatata tataatgttt atatataaa tgtatatata 120
 taatgtttat atatataatg tatatatata atgtttatat atataatgtg tatatatat 180
 gtttatatat ataatgtgta tatataatgt ttatatataa tgtgtatata taatgtttat 240
 atatataatg tgtatatata atgtttatat atataatgtg tatatatat gtttatatat 300
 ataatgtgta tatatatat gtttatatat ataatgtgta tatatatat gtttatatat 360
 ataatgt 367

<210> 239

<211> 499

SEL PCT 012.ST25

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(499)

<223> MAR of chromosome 2 genomic contig; 410241..410739

<400> 239

ataatgatga tatatattat attatatatt atattacata ttatatatta tattacatat 60

tatatattta tatattacat attatatatt atattttata ttatatatta tatcatatat 120

atgttatgca ttatataata cataatatat tatatatgat ataatatata ttatatatta 180

ttatatataa tataattaat atattatgta ttatataata tatattatgt tataatatat 240

aatatatatt atataattat ataatatatt atgtattata taatatatat tatgttataa 300

tatattatat tatatatatt atatatatat tatatatata atgtatatta tatataatac 360

ataatatatt atatatatta tattatttta tataatatat tatataatgt gatatatatt 420

ataatatatt atataacata gtatatatta taatatatta tataatgtaa tatattatat 480

attatataat atattgtat 499

<210> 240

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

SEL PCT 012.ST25

<222> (1)..(402)

<223> MAR of chromosome 2 genomic contig; 31531..31932

<400> 240

cacattatat atataaacat tatatatata cacattatat atataaacat tatatatata 60

cacattatat atataaacat tatatatata cattatatat ataaacatta tatatacaca 120

ttatatatat aaacattata tatacaaatt atatatataa acattatata tacaaattat 180

atatataaac attatatata tacattatat atataaacat tatatatata cattatatat 240

ataaacatta tatatatata ttatatatat aaacattata tatatacatt atatatataa 300

acattatata tatacattat atatatataac gttatatata tacattatat atataaacat 360

tatagtata cattatatat ataaacatta tatatatatg tg 402

<210> 241

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(421)

<223> MAR of chromosome 2 genomic contig; 32415..32835

<400> 241

ataaatattt tatatataat atataatata tatactatat tatatgttat atatactatt 60

ataatataa taatatatat attatatatt atatatata ttattatata tgatactatt 120

atatattaat ataattatat ataatatata tattatataa tatactatta tatattatat 180

SEL PCT 012.ST25

ataatagtat attatataat atatatatta tatataatag tattatatat actattatat 240
attatatata ttatatatat ataaaatata atataatata tataatatat aatattaata 300
ttatatatat aatataatat aatatataat ataataat atatatatta ataaaattat 360
attaatatat aatatataat agtatattat atacatatat aatatataca atatataata 420
t 421